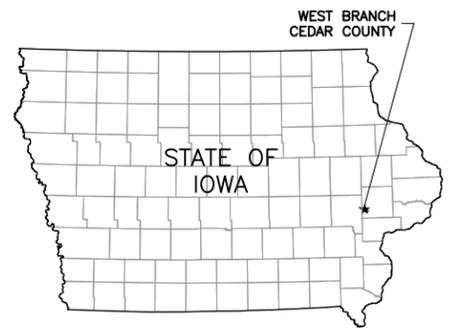
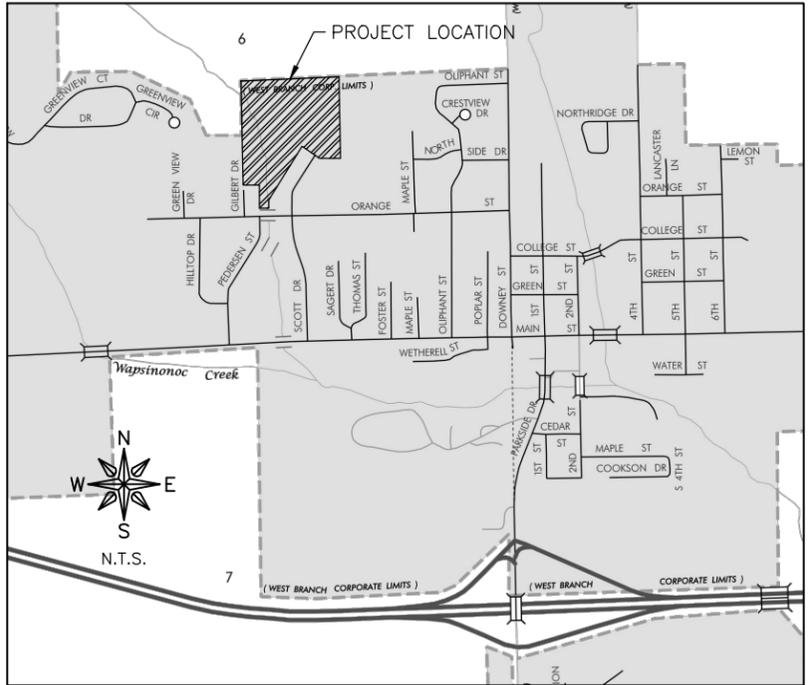


CUBBY PARK IMPROVEMENTS - PHASE 2 FOR CITY OF WEST BRANCH WEST BRANCH, IOWA



Sheet Number	Sheet Title
A.01	TITLE
A.02	LEGEND
A.03	SITE MAP
A.04	LANDSCAPE LAYOUT PLAN NORTH
A.05	LANDSCAPE LAYOUT PLAN SOUTH
B.01	TYPICAL CROSS SECTIONS - TRAILS AND SIDEWALKS
B.02	TYPICAL CROSS SECTION - WETLAND MITIGATION
C.01	SWPPP MAP - SPORTSFIELDS AND TRAILS
D.01	TRAIL PLAN AND MAIN DRIVE PAVEMENT MARKINGS
D.02	TRAIL PLAN AND ACCESSORY DRIVE PAVEMENT MARKINGS
D.03	TRAIL PLAN AND PROFILE
D.04	TRAIL PLAN AND PROFILE
D.05	TRAIL PLAN AND PROFILE
D.06	TRAIL PLAN AND PROFILE
D.07	TRAIL PLAN AND PROFILE
D.08	TRAIL PLAN AND PROFILE
E.01	SIDEWALK RAMP PLAN
E.02	SIDEWALK RAMP PLAN
E.03	SIDEWALK RAMP PLAN
E.04	TRAIL INTERSECTION PLANS & PICKLEBALL PAVEMENT PLAN
E.05	TRAIL GRADES AT CONCESSIONS AND BALL FIELDS
E.06	PLAYGROUND ACCESSIBLE SIDEWALKS AND CURB
G.01	ALIGNMENT DATA
H.01	DIMENSIONING PLAN, LITTLE LEAGUE FIELDS
H.02	DIMENSIONING PLAN, SOFTBALL FIELD
H.03	GRADING PLAN, LITTLE LEAGUE FIELDS
H.04	GRADING PLAN, SOFTBALL FIELD
H.05	SUBDRAIN PLAN, LITTLE LEAGUE FIELDS
H.06	SUBDRAIN PLAN, SOFTBALL FIELD
H.07	IRRIGATION PLAN
H.08	FENCING PLAN, LITTLE LEAGUE FIELD 1 & BATTING CAGE LAYOUT
H.09	FENCING PLAN, LITTLE LEAGUE FIELD 2
H.10	FENCING PLAN, SOFTBALL FIELD
I.01	PLAYGROUND PLAN
K.01	ELECTRICAL SITE WORK SCHEMATIC
L.01	LANDSCAPE PLAN NORTH
L.02	LANDSCAPE PLAN SOUTH
L.03	PAVILION AND MAIN COMPLEX LAYOUT
L.04	PLAYGROUND LANDSCAPE PLAN
L.05	PLANT LIST AND DETAILS
L.06	OVERALL SEEDING PLAN
T.01	DUGOUT OPTION A - FRAMING PLAN
T.02	DUGOUT OPTION A - SIDING AND ROOFING PLAN
T.03	DUGOUT OPTION B
U.01	DETAILS
U.02	DETAILS
U.03	DETAILS
W.01	STREAM BANK RESTORATION PLAN AND PROFILE
W.02	STREAM BANK RESTORATION LANDSCAPE PLAN
W.03	STREAM BANK RESTORATION CROSS SECTIONS

16-072



LOCATION MAP

THIS PROJECT IS COVERED BY IOWA DNR NPDES GENERAL PERMIT NO. 2. THE CONTRACTOR SHALL CARRY OUT THE TERMS AND CONDITIONS OF GENERAL PERMIT NO. 2 AND THE STORM WATER POLLUTION PREVENTION PLAN WHICH IS A PART OF THESE CONTRACT DOCUMENTS.

THE 2017 VERSION OF THE URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, ALSO KNOWN AS SUDAS (2017), PLUS FEHR GRAHAM SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS SHALL APPLY TO CONSTRUCTION WORK ON THIS PROJECT.

REFER TO PHASE 1 PLANS FOR GENERAL NOTES, ESTIMATED QUANTITIES, PIPELINE REQUIREMENTS, AND ADDITIONAL SWPPP INFORMATION

WARNING!
HIGH PRESSURE PIPELINE(S)
EXCAVATION AND/OR CONSTRUCTION PROHIBITED WITHOUT PRIOR WRITTEN PERMISSION FROM MID-AMERICA PIPELINE CO., LLC



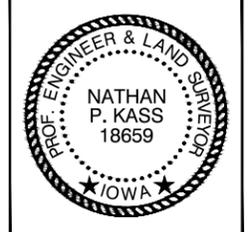
FOR BID

CITY OF WEST BRANCH, IOWA
THIS ENGINEERING DOCUMENT HAS BEEN REVIEWED BY THE JURISDICTION AND IS RECOMMENDED FOR FILING WITH THE CITY CLERK

CITY ADMINISTRATOR _____ DATE _____

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Nathan P. Kass, P.E. & P.L.S. _____ Date _____
License Number 18659
My license renewal date is December 31, 2017.
Pages or sheets covered by this seal: All



CITY ADMINISTRATION	
MAYOR.....	ROGER LAUGHLIN
COUNCIL MEMBERS.....	JORDAN M. ELLYSON
	COLTON MILLER
	MARY BETH STEVENSON
	TIM SHIELDS
	BRIAN PIERCE
INTERIM CITY ADMINISTRATOR.....	NICK SHIMMIN
DEPUTY CITY CLERK.....	GORDON EDGAR

OWNER/DEV	CITY OF WEST BRANCH
ADDRESS	110 N POPLAR STREET
	PO BOX 218
	WEST BRANCH, IOWA 52358
P#	319.643.5888
F#	319.643.2305

UTILITY INFO. - CITY OF WEST BRANCH, IA		
UTILITY TYPE	COMMON NAME	
ELECTRIC	ALLIANT ENERGY	
TELEPHONE	MEDIACOM	
GAS	ALLIANT ENERGY	
CABLE	MEDIACOM	
PIPELINE	ENTERPRISE PRODUCTS	BRIAN MUELLER
	KINDER MORGAN	DAVID LENSING

(CONTRACTOR TO BE RESPONSIBLE FOR ANY ADJUSTMENTS TO BE MADE.)



ILLINOIS IOWA WISCONSIN

CEDAR RAPIDS, IOWA
200 5th AVENUE SE, SUITE 100
CEDAR RAPIDS, IA 52401
P# (319) 294-6909
F# (319) 294-5133

ORIGINAL SET FOR PROJECT: 16-072		DATE CREATED: 11-13-2017
REVISIONS		
REV. NO.	DESCRIPTION	DATE

ABBREVIATIONS

<	ANGLE
ABC	AGGREGATE BASE COURSE
AC	ACRE(S)
ACI	AMERICAN CONCRETE INSTITUTE
AGR	AGGREGATE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
ARCH	ARCHITECT
ASPH	ASPHALT
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
B	BALL VALVE
BFP	BACKFLOW PREVENTER
BIT	BITUMINOUS
BLDG	BUILDING
BLK	BLOCKING
BM	BENCHMARK
BOT	BOTTOM
BSMT	BASEMENT
BV	BUTTERFLY VALVE
B-B	BACK-TO-BACK OF CURB DIMENSION
CL	CENTERLINE
C TO C	CENTER TO CENTER
C & G	CURB AND GUTTER
CF	CUBIC FEET
CHD	CHORD LENGTH
CI	CAST IRON PIPE
CHK	CHECK VALVE
CLR	CLEAR
CLM	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONT	CONTINUOUS
C-B	CENTERLINE TO BACK OF CURB DIMENSION
COORD	COORDINATE
CU	COPPER PIPING
CTRS	CENTERS
CY	CUBIC YARDS
CS	CORPORATION STOP
D	DEGREE OF CURVE
DEP	DEPRESSED
DET	DETAIL
DIAG	DIAGONAL
DIM	DIMENSION
DI	DUCTILE IRON PIPE
DN	DOWN
DNSTR	DOWNSTREAM
DP	DRAINAGE PIPE/STORM PIPE
DWG	DRAWING
E	EAST
EJ	EXPANSION JOINT
EL	ELEVATION
EP	EDGE OF PAVEMENT
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
EW	EACH WAY
EXP	EXPANSION
EX, EXIST	EXISTING
EXT	EXTERIOR
E =	EXTERNAL DISTANCE
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIELD ENTRANCE
FF	FINISH FLOOR
FIL	FILLET
FIN	FINISH
FL	FLOW LINE
FLR	FLOOR
FM	FORCE MAIN
FND	FOUND
FRMG	FRAMING
FTG	FOOTING
F-F	FACE TO FACE
GA	GAUGE
GI	GALVANIZED IRON PIPE
GRD	GRADE
GRS	GRATING SUPPORT
GRT	GROUT
GV	GAS VALVE
GYP	GYPSUM
HSE	HOUSE
HC	HORIZONTAL CURVE
HMA	HOT MIX ASPHALT
HNGR	HANGER
HORIZ	HORIZONTAL
H.P.	HIGH POINT
HW	HOT WATER
HWH	HOT WATER HEATER
Δ =	CENTRAL ANGLE
I	MOMENT OF INERTIA
ID	INSIDE DIAMETER
INT	INTERIOR
INV	INVERT ELEVATION; BASED ON BENCH MARK DATUM
IP	IRON PIPE
JST	JOIST
JST	LENGTH OF CURVE
LAT	LATERAL
LAV	LAVATORY
LF	LINEAL FEET
L.P.	LOW POINT
LT	LEFT OF SURVEY BASE LINE
MAX	MAXIMUM
ME	MATCH EXISTING
MH	MANHOLE
MIN	MINIMUM
MJ	MECHANICAL JOINT
MTL	METAL
N	NORTH
No. OR #	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OO	OUTSIDE TO OUTSIDE
OPNG	OPENING
OPP	OPPOSITE
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE
PCF	POUNDS PER CUBIC FOOT
PDP	PERFORATED DRAIN PIPE

PE	POLYETHYLENE PIPE
PI	POINT OF INTERSECTION
PL	PLATE
PLG	PLUG VALVE
PLP	POLYPROPYLENE PIPE
PLYWD	PLYWOOD
PM	PRINCIPAL MERIDIAN
PR	PRESSURE REGULATORS
PRC	POINT OF REVERSE CURVATURE
PRESS	PRESSURE
PR, PROP	PROPOSED
PRV	PRESSURE REDUCING VALVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSL	PIPE SLEEVE
PT	POINT OF TANGENCY
PLG	PLUG VALVE
PVC	POLYVINYL CHLORIDE (PLASTIC) PIPE
R	RADIUS
RDCR	REDUCER
RCCP	REINFORCED CONCRETE CYLINDER PIPE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REINF	REINFORCING
REQD	REQUIRED
ROW	RIGHT OF WAY
RFR	RAFTER
RND	ROUND
RR	RAILROAD
RMS	RAILROAD SPIKE
RT	RIGHT
R&R	REMOVE AND REPLACE
S	SOUTH
SB	STREAM BED
SCHED	SCHEDULE
SEC	SECTION
SF	SQUARE FEET
SHR	SHOWER
SHT	SHEET
SHTG	SHEATHING
SP	SANITARY PIPE
SPA	SPACING OR SPACES
SPEC	SPECIFICATION
SQ	SQUARE
SS	SANITARY SERVICE
STA	STATION
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
SW	SIDEWALK
SY	SQUARE YARDS
SYM	SYMMETRICAL
TAN	TANGENT LENGTH
TBC	TOP BACK OF CURB
TBM	TEMPORARY BENCH MARK; BASED ON BENCHMARK DATUM
TD	TILE DRAIN
THK	THICK
TR	TREAD
TY	TYPE
TYP	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
UP	UTILITY POLE
UPSTR	UPSTREAM
UR	URINAL
USGS	US GEOLOGICAL SURVEY
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VOL	VOLUME
VPC	VERTICAL POINT OF CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPRC	VERTICAL POINT OF REVERSE CURVATURE
VPT	VERTICAL POINT OF TANGENCY
W	WEST
WC	WATER CLOSET
WF	WIDE FLANGE
WM	WATER MAIN
WMQ	WATER MAIN QUALITY
WV	WATER VALVE
WGT	WEIGHT
WP	WEATHER PROOF
WS	WATER SERVICE
WWF	WELDED WIRE FABRIC
W/	WITH
W/O	WITHOUT
XP	EXPLOSION PROOF

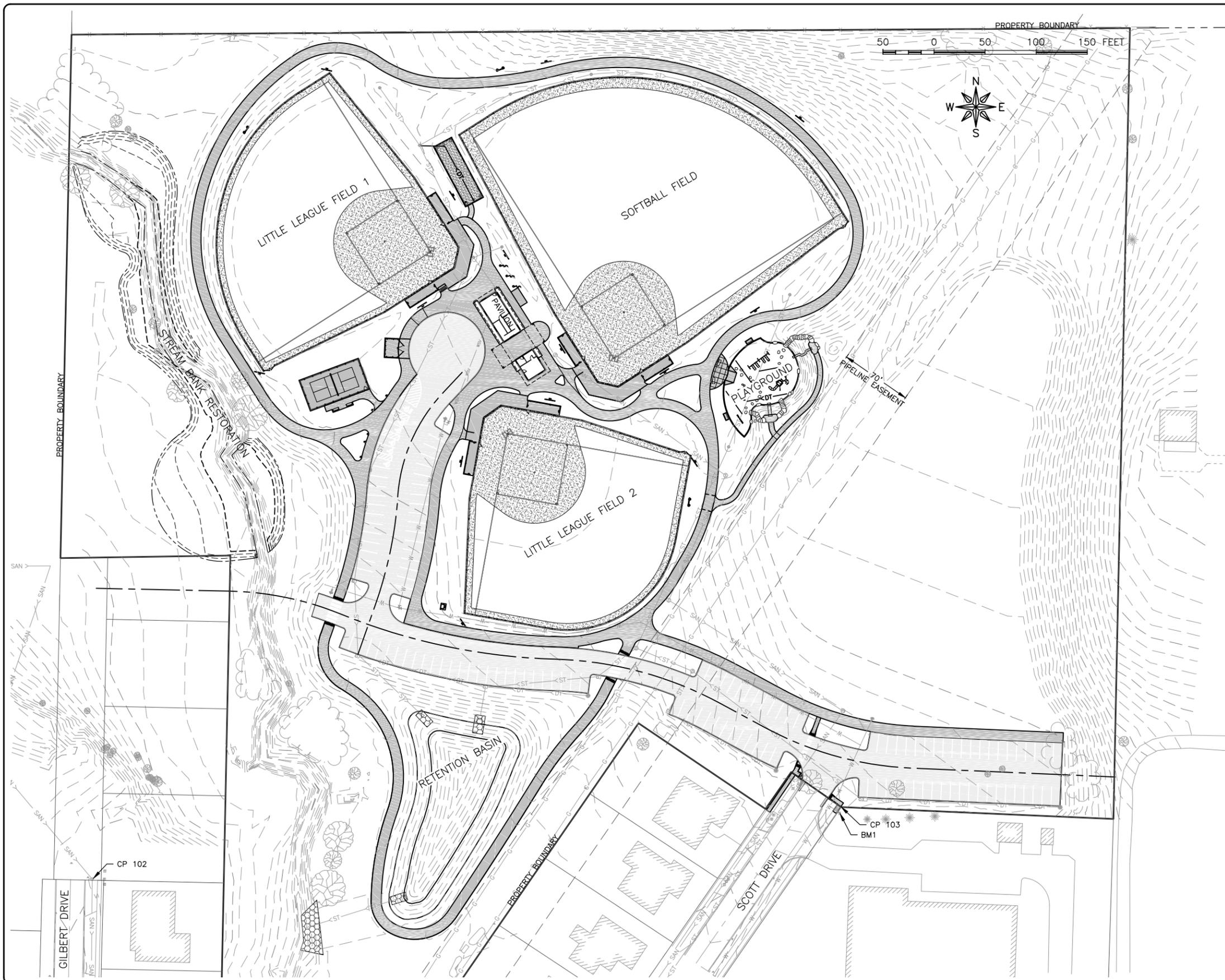
HATCH PATTERNS

	EARTH - FILL		BRICK
	EARTH - UNDISTURBED		STEEL
	ROCK (GEOLOGICAL)		INSULATION (LOOSE/ BATT)
	STONE OR RIP RAP		INSULATION (RIGID)
	GRAVEL		WOOD (ROUGH)
	CONCRETE		WOOD (BLOCKING)
	CONCRETE BLOCK		WOOD (FINISH)
	CMU		DETECTABLE WARNING
	ASPHALT PAVEMENT		

SYMBOLS

CIVIL		WATER		UTILITY	
EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED
		STORM SEWER	STORM SEWER		
		EROSION CONTROL	EROSION CONTROL		
				TRAFFIC RELATED	TRAFFIC RELATED

REVISIONS		
REV. NO.	DESCRIPTION	DATE



- NOTES:
- EXISTING GRADE SHOWN IS THE DESIGN SURFACE FROM PHASE 1. EARTHWORK SHALL BE COMPLETED PRIOR TO PHASE 2.
 - FINAL FINISHING OF BASEBALL FIELDS TO BE COMPLETED THIS PHASE.
 - PROPOSED STREAM BANK RESTORATION EARTHWORK TO BE COMPLETED THIS PHASE.

CONTROL POINTS

NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
CP102	617930.19	2226025.95	736.09	'X' ON RIM OF SANITARY MANHOLE AT END OF GILBERT DRIVE BETWEEN ROAD & EAST SIDEWALK
CP103	618031.56	2226754.23	735.54	PROPERTY CORNER; REBAR W/ CAP 10896 AT END OF EASTERLY RIGHT-OF-WAY TO SCOTT DRIVE

BENCH MARK

NO.	ELEV.	DESCRIPTION
BM1	737.85	BOLT ON HYDRANT AT END OF SCOTT DRIVE BEHIND EASTERLY SIDEWALK

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
WISCONSIN

OWNER/DEVELOPER:
CITY OF WEST BRANCH
110 NORTH POPLAR STREET
WEST BRANCH, IOWA 52358

PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: AJB
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

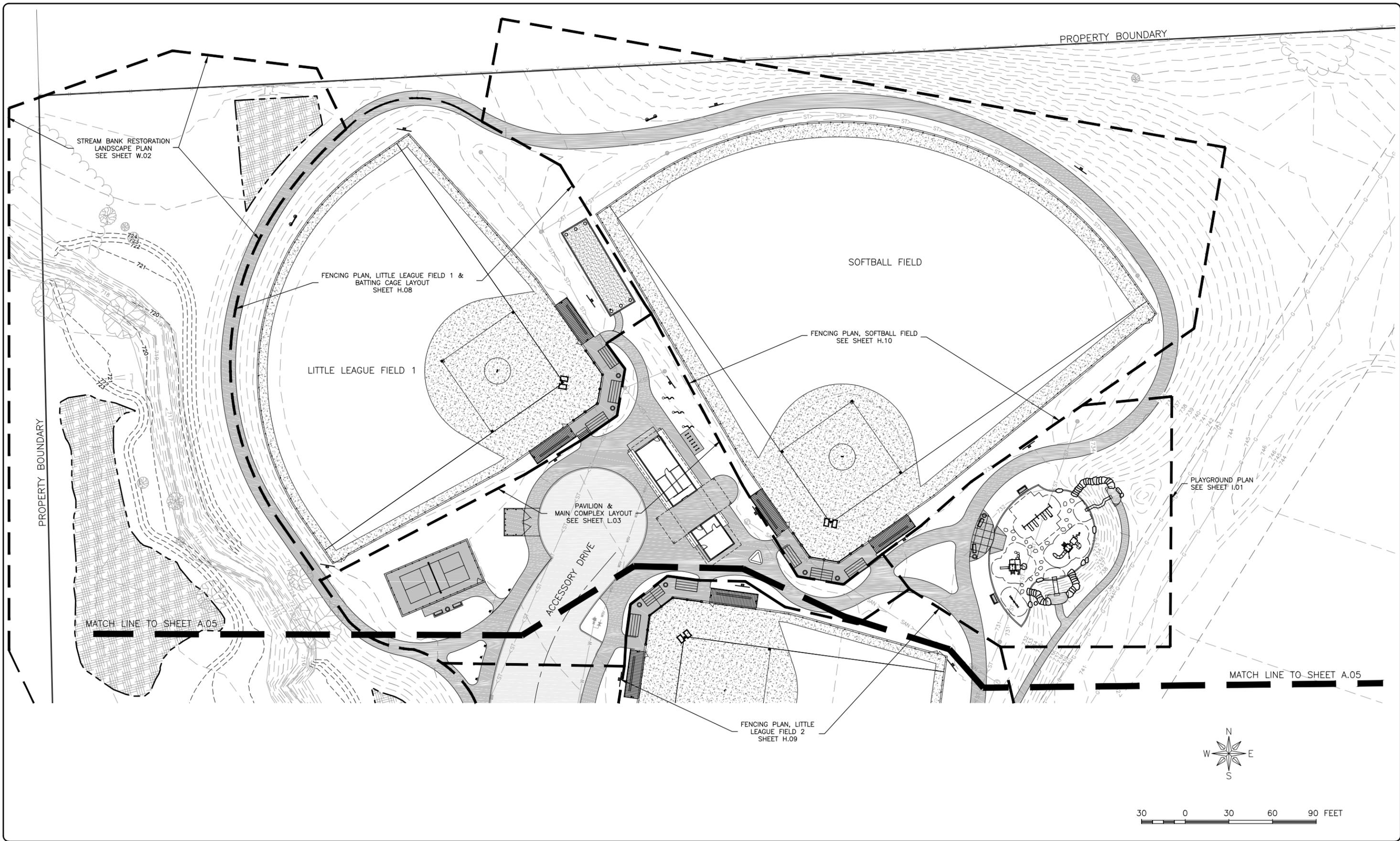
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
SITE MAP

SET TYPE: FOR BID
G:\CSD\16-072\Plans\16-072 Plans PH2.dwg, A.03

JOB NUMBER:
16-072

SHEET NUMBER:
A.03



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ILLINOIS DESIGN FIRM NO. 184-003525

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IOWA
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110 NORTH POPLAR STREET
WEST BRANCH, IOWA 52358

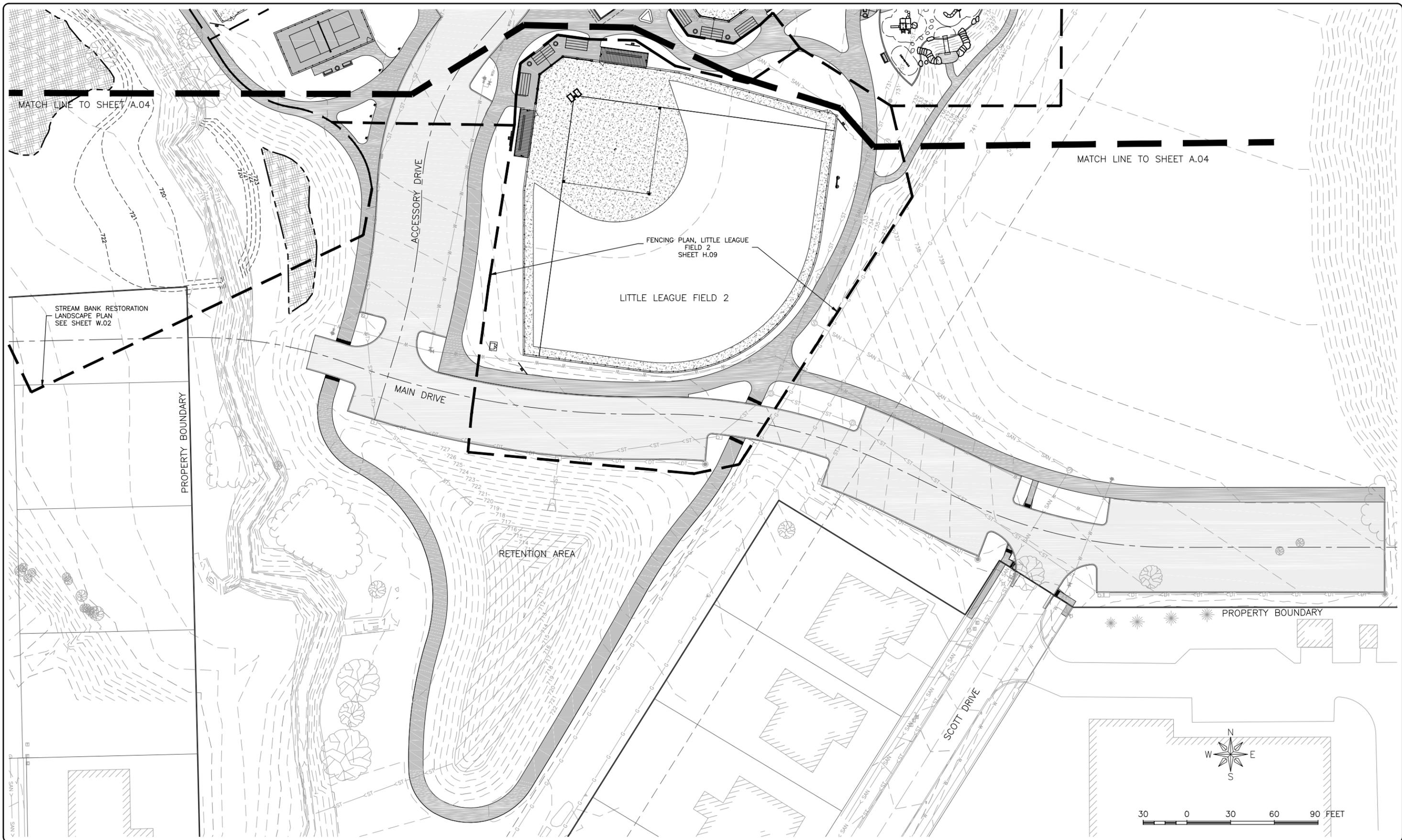
PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: DMS
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
LANDSCAPE
LAYOUT PLAN
NORTH
SET TYPE: FOR BID
G:\(3D)\16-072\Landscape\16-072 Landscape 2.dwg, LAYOUT PLAN NORTH

JOB NUMBER:
16-072
SHEET NUMBER:
A.04



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WEST BRANCH, IOWA 52358

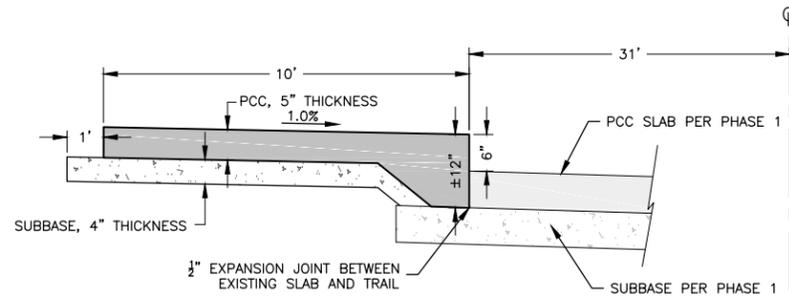
PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: DMS
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

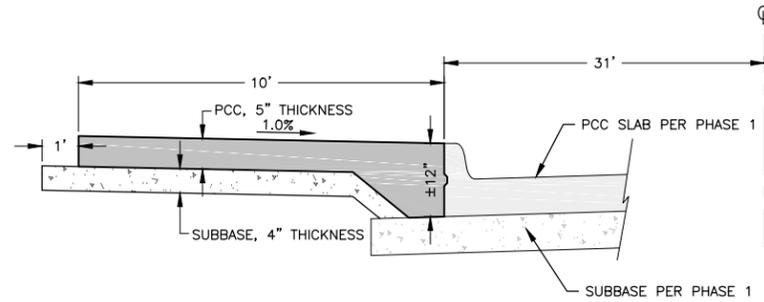
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
LANDSCAPE
LAYOUT PLAN
SOUTH
SET TYPE: FOR BID
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JOB NUMBER:
16-072
SHEET NUMBER:
A.05

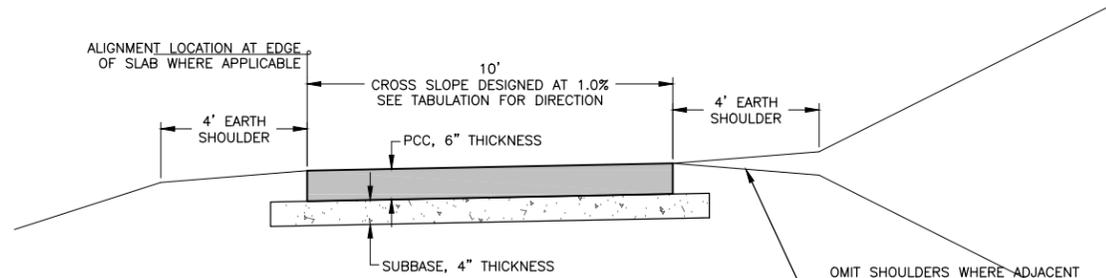


TRAIL SECTION A-1 – ADJACENT TO EDGE SLAB
REFER TO SUDAS 7030.202, DETAIL 3



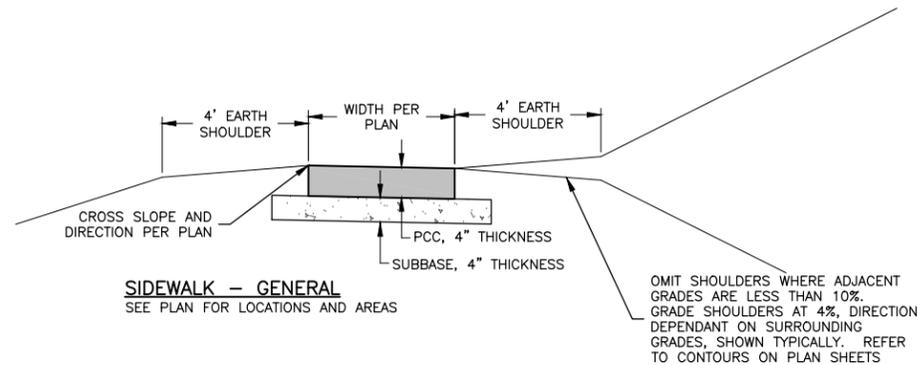
TRAIL SECTION A-2 – ADJACENT TO STANDARD CURB
REFER TO SUDAS 7030.202, DETAIL 1

ALIGNMENT	LOCATION		SIDE	LENGTH (FEET)	PCC (SY)	SUBBASE (TON)	REMARKS
	STATION TO STATION						
MAIN DRIVE	3+03.92	4+77.59	LT.	173.67	193	54	
	5+93.76	7+11.49	LT.	117.73	130	36	
	7+80.02	9+73.36	LT.	193.34	215	60	
ACCESSORY DRIVE	20+67.01	22+41.33	LT.	174.32	194	54	
TRAIL NORTH	30+35.45	31+06.68	LT.	71.23	79	22	



TRAIL SECTION B – GENERAL

ALIGNMENT	LOCATION		LENGTH (FEET)	SLOPE DIRECTION (FROM ALIGN.)	PCC (SY)	SUBBASE (TON)	REMARKS
	STATION TO STATION						
MAIN DRIVE	5+53.22	5+93.76	40.54	N/A	45	13	
	7+11.44	7+80.02	68.58	N/A	76	21	
ACCESSORY DRIVE	20+53.83	20+67.01	13.18	N/A	15	4	
TRAIL NORTH	30+12.19	30+35.45	23.26	AWAY	26	8	
	31+93.09	36+80.00	486.91	TOWARD	541	150	
	36+80.00	37+05.46	25.46	TRANSITION	28	8	
	37+05.46	44+06.95	701.49	AWAY	780	216	
TRAIL SOUTH	44+06.95	44+30.00	23.05	TRANSITION	26	8	
	44+30.00	47+58.86	328.86	TOWARD	365	101	
TRAIL SOUTH	50+11.01	56+74.57	663.56	TOWARD	737	204	



SIDEWALK – GENERAL
SEE PLAN FOR LOCATIONS AND AREAS

GENERAL NOTES:

- SECTIONS SHOWN ARE IN GENERAL, PLAN NOTATION AND ELEVATIONS GOVERN. SEE PLAN VIEWS FOR PAVEMENT INTERACTION BETWEEN SECTIONS.
- SECTIONS A-1 OR A-2 SHALL BE USED BASED ON THE PHASE 1 AS CONSTRUCTED SITUATION.
- ALL SUBBASE SHALL BE MODIFIED SUBBASE, IOWA DOT GRADATION No. 14, UNLESS NOTED OTHERWISE IN THE PLANS.
- CROSS SLOPES OF TRAILS AND SIDEWALKS ARE DESIGNED AT 1%. ANY PORTIONS OF TRAILS OR SIDEWALKS INSTALLED WITH CROSS SLOPES EXCEEDING 2% SHALL BE REJECTED BY THE JURISDICTION.
- LANDING AREAS WITH SLOPES EXCEEDING 2% IN ANY DIRECTION SHALL BE REJECTED BY THE JURISDICTION. PORTIONS OF REJECTED SIDEWALK OR TRAIL SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
WISCONSIN

OWNER/DEVELOPER:
CITY OF WEST BRANCH
110 NORTH POPLAR STREET
WEST BRANCH, IOWA 52358

PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS –
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: AJB
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

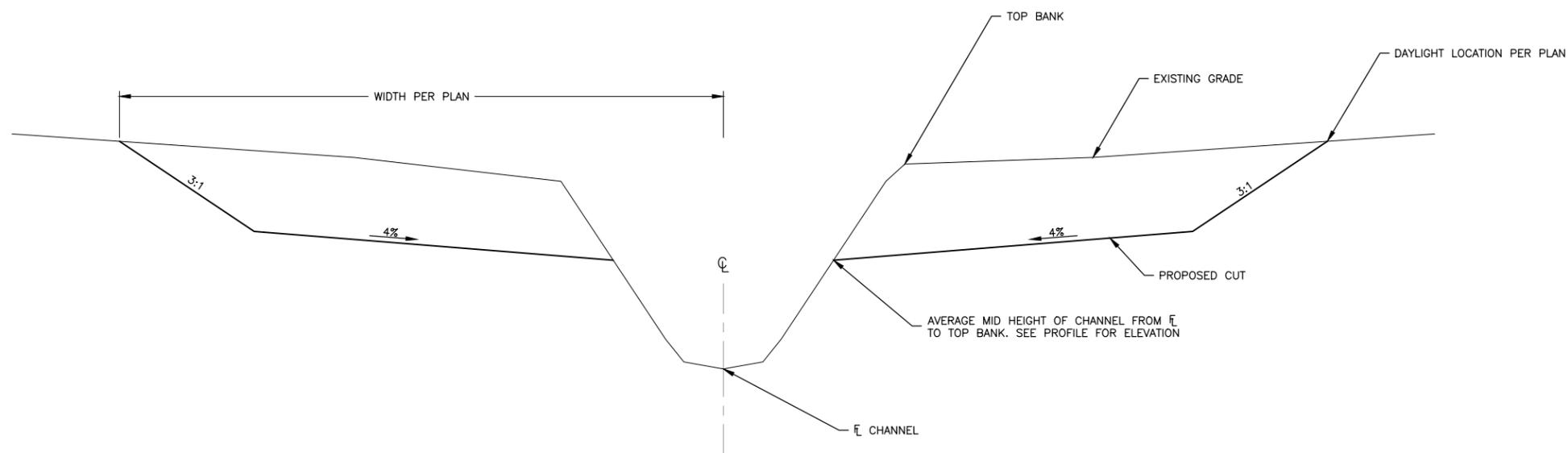
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
TYPICAL CROSS SECTIONS – TRAILS AND
SIDEWALKS

SET TYPE: FOR BID
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JOB NUMBER:
16-072

SHEET NUMBER:
B.01



STREAM BANK RESTORATION SECTION

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OWNER/DEVELOPER:
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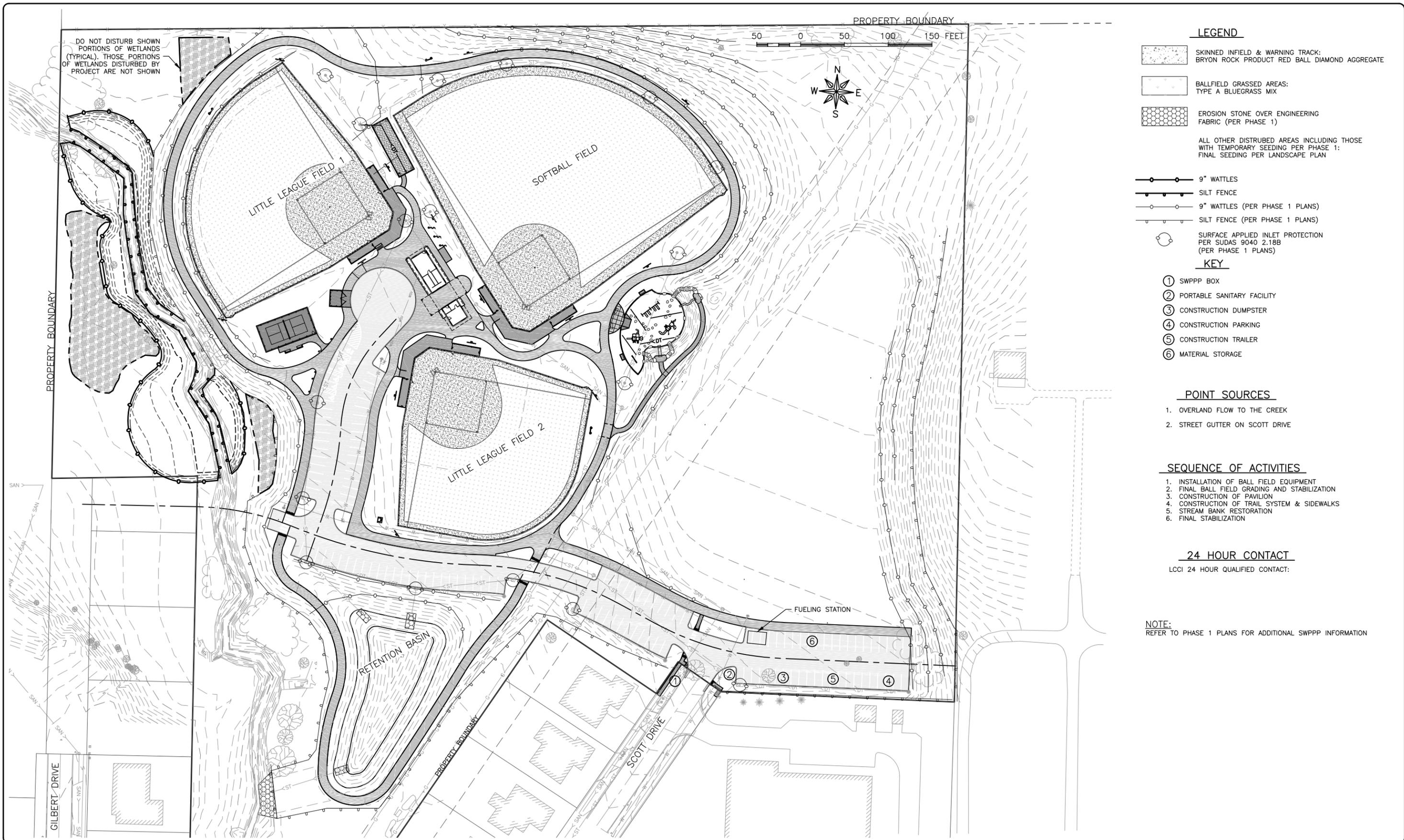
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
TYPICAL CROSS SECTION - WETLAND
MITIGATION

SET TYPE: FOR BID
G:\CD\16-072\Plans\16-072 Plans PH2.dwg, B.02

JOB NUMBER:
16-072

SHEET NUMBER:
B.02



LEGEND

-  SKINNED INFIELD & WARNING TRACK:
BRYON ROCK PRODUCT RED BALL DIAMOND AGGREGATE
-  BALLFIELD GRASSED AREAS:
TYPE A BLUEGRASS MIX
-  EROSION STONE OVER ENGINEERING
FABRIC (PER PHASE 1)
- ALL OTHER DISTURBED AREAS INCLUDING THOSE
WITH TEMPORARY SEEDING PER PHASE 1:
FINAL SEEDING PER LANDSCAPE PLAN
-  9" WATTLES
-  SILT FENCE
-  9" WATTLES (PER PHASE 1 PLANS)
-  SILT FENCE (PER PHASE 1 PLANS)
-  SURFACE APPLIED INLET PROTECTION
PER SUDAS 9040 2.18B
(PER PHASE 1 PLANS)

KEY

- ① SWPPP BOX
- ② PORTABLE SANITARY FACILITY
- ③ CONSTRUCTION DUMPSTER
- ④ CONSTRUCTION PARKING
- ⑤ CONSTRUCTION TRAILER
- ⑥ MATERIAL STORAGE

POINT SOURCES

- 1. OVERLAND FLOW TO THE CREEK
- 2. STREET GUTTER ON SCOTT DRIVE

SEQUENCE OF ACTIVITIES

- 1. INSTALLATION OF BALL FIELD EQUIPMENT
- 2. FINAL BALL FIELD GRADING AND STABILIZATION
- 3. CONSTRUCTION OF PAVILION
- 4. CONSTRUCTION OF TRAIL SYSTEM & SIDEWALKS
- 5. STREAM BANK RESTORATION
- 6. FINAL STABILIZATION

24 HOUR CONTACT

LCCI 24 HOUR QUALIFIED CONTACT:

NOTE:
REFER TO PHASE 1 PLANS FOR ADDITIONAL SWPPP INFORMATION

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
WISCONSIN

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110 NORTH POPLAR STREET
WEST BRANCH, IOWA 52358

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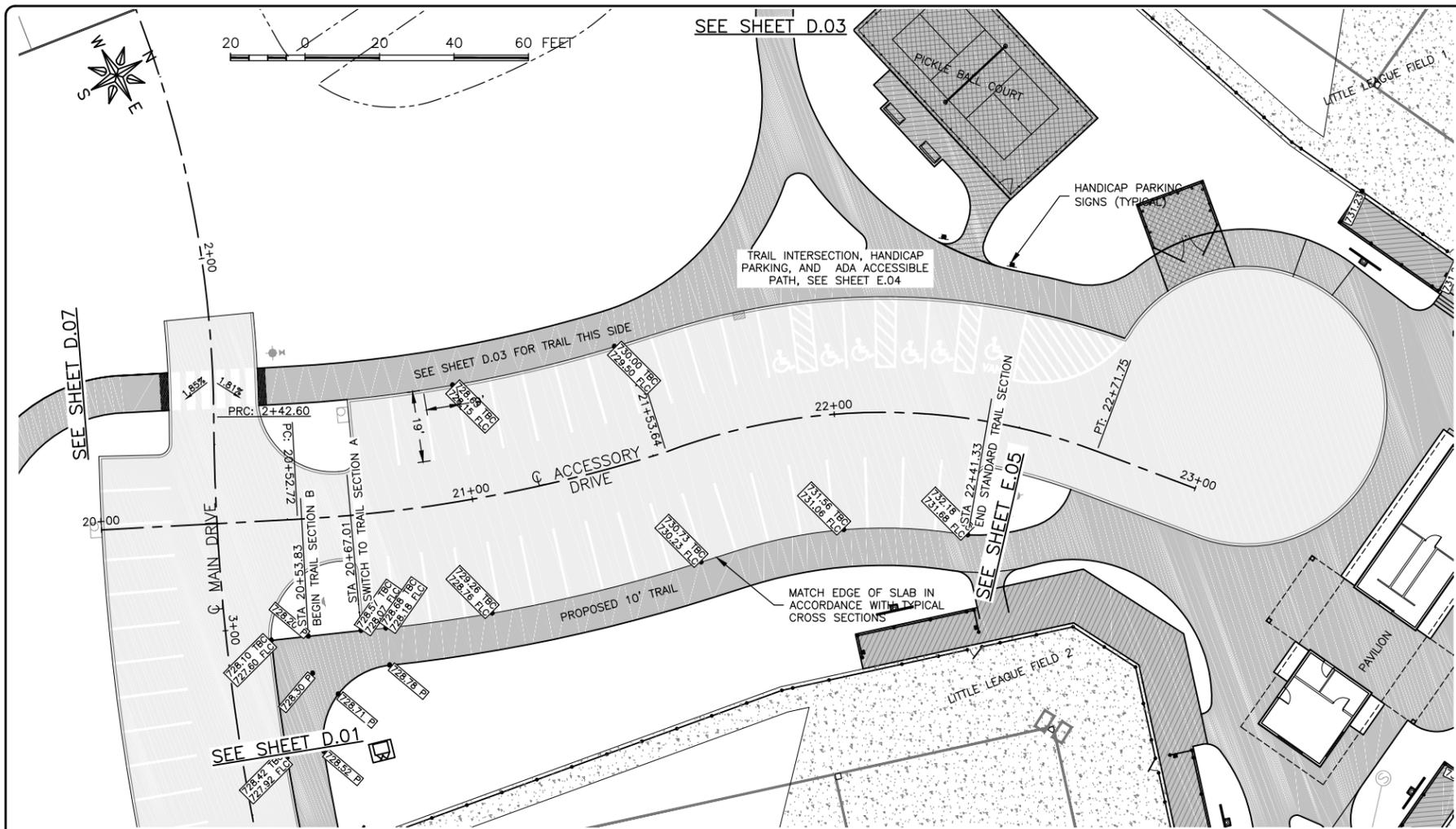
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
SWPPP MAP - SPORTSFIELDS AND TRAILS

SET TYPE: FOR BID
G:\CDD\16-072\Plans\16-072 Plans PH2.dwg, C.01

JOB NUMBER:
16-072

SHEET NUMBER:
C.01



PAVEMENT HATCHING LEGEND

	PAVEMENT PER PHASE 1
	6" PCC OVER 4" SUBBASE
	6" PCC, REINFORCED, OVER 4" SUBBASE
	4" PCC OVER 4" SUBBASE
	PAVEMENT MARKINGS

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WISCONSIN

OWNER/DEVELOPER:
CITY OF WEST BRANCH
110 NORTH POPLAR STREET
WEST BRANCH, IOWA 52358

PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: AJB
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

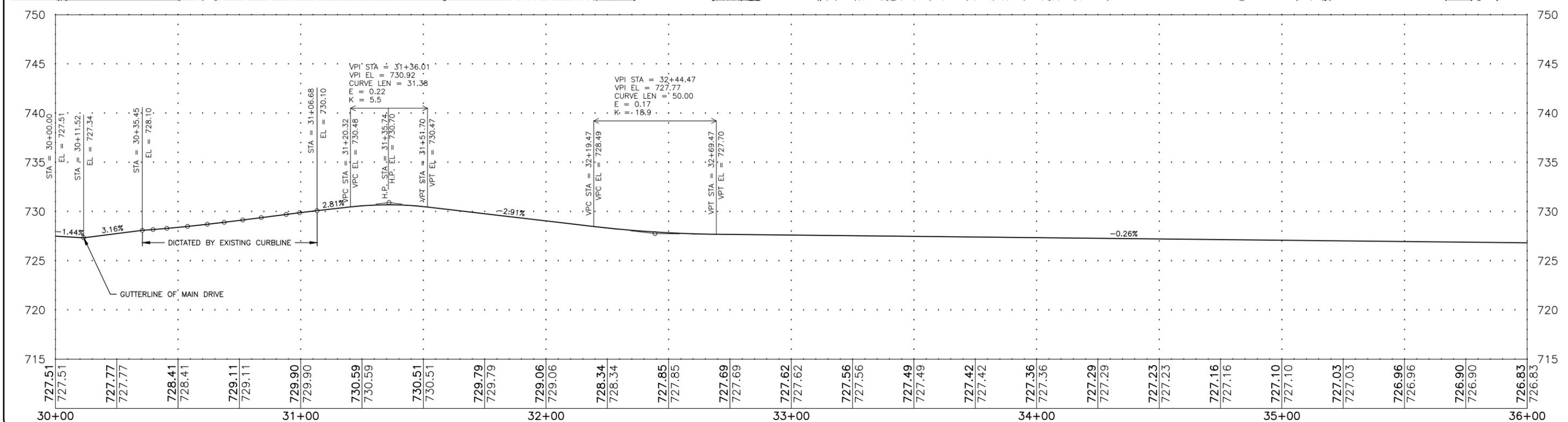
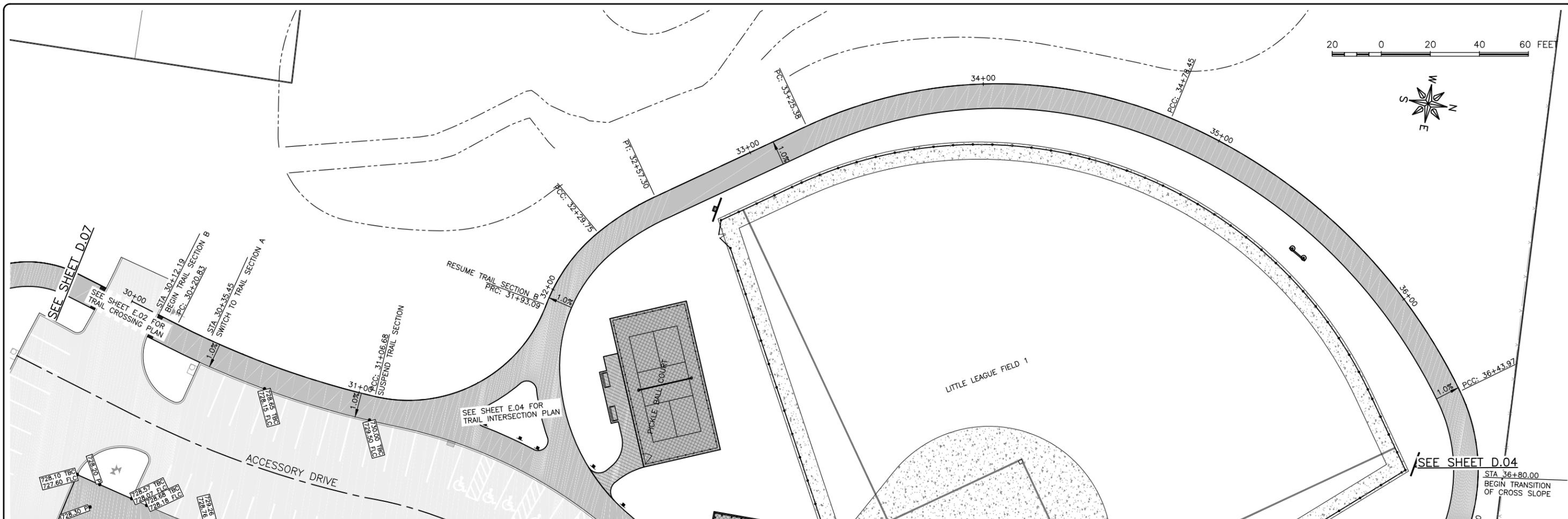
DRAWING:
TRAIL PLAN AND ACCESSORY DRIVE
PAVEMENT MARKINGS

SET TYPE: FOR BID

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JOB NUMBER:
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SHEET NUMBER:
D.02



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WEST BRANCH, IOWA 52358

PROJECT AND LOCATION:
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PHASE 2
WEST BRANCH, IOWA

DRAWN BY: AJB
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

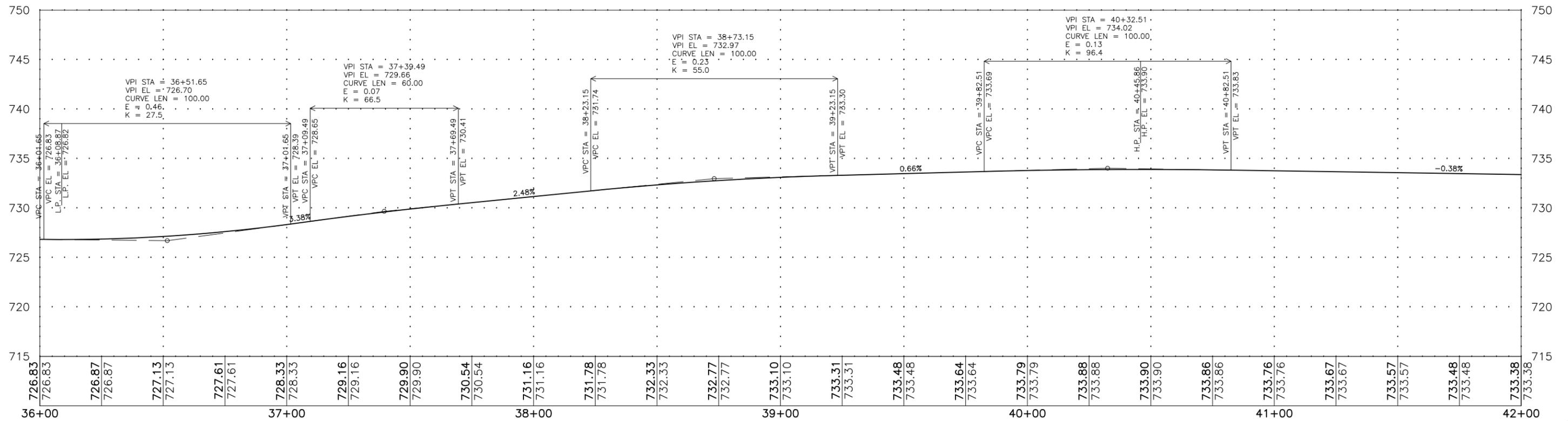
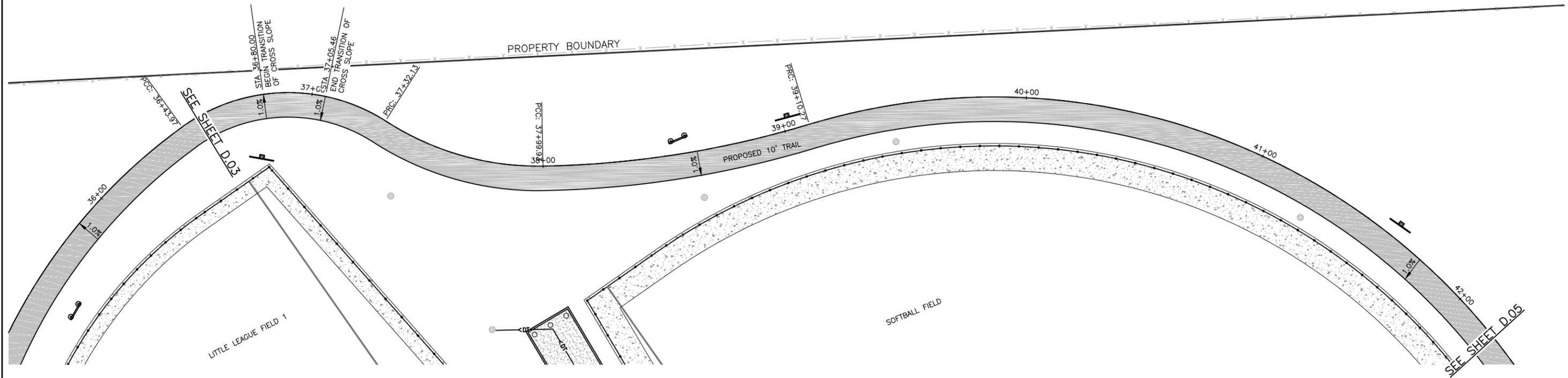
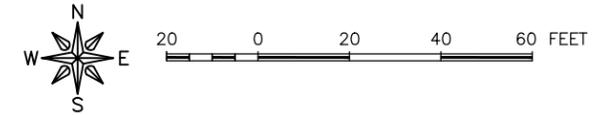
DRAWING:
TRAIL PLAN AND PROFILE

SET TYPE: FOR BID

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JOB NUMBER:
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SHEET NUMBER:
D.03



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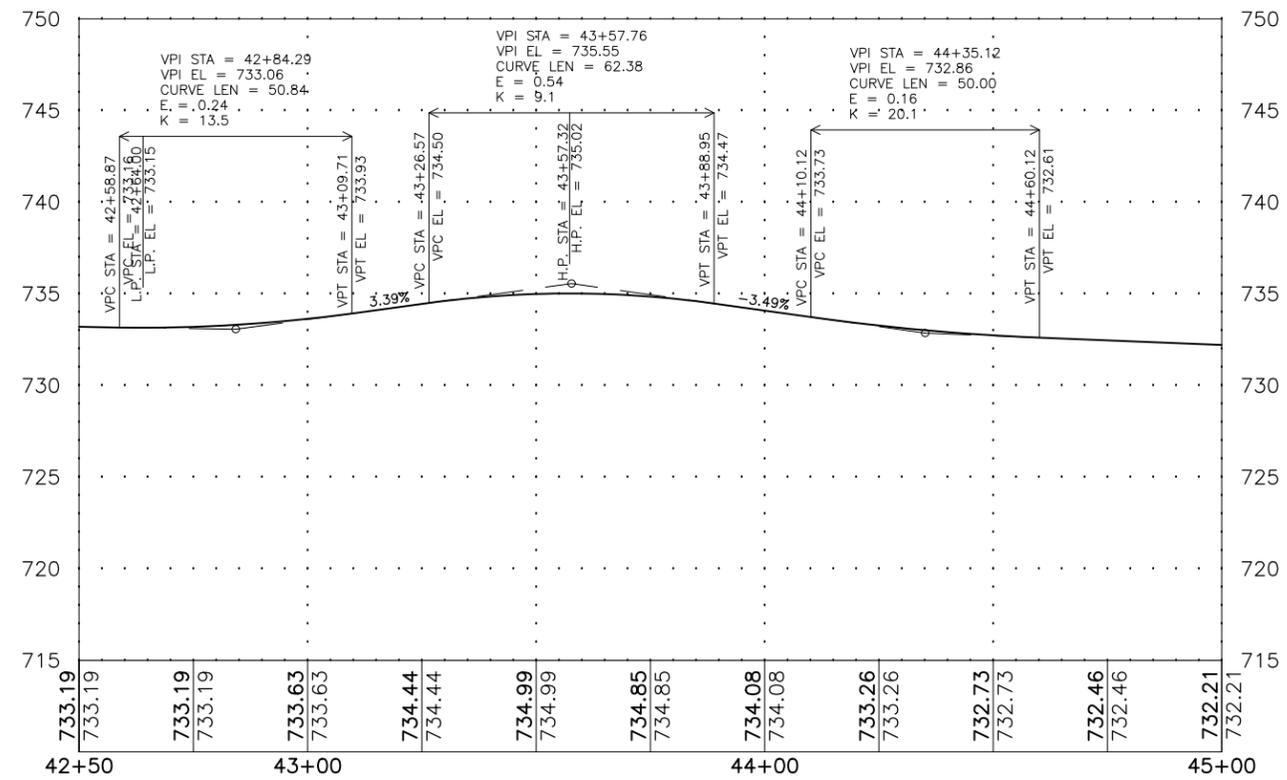
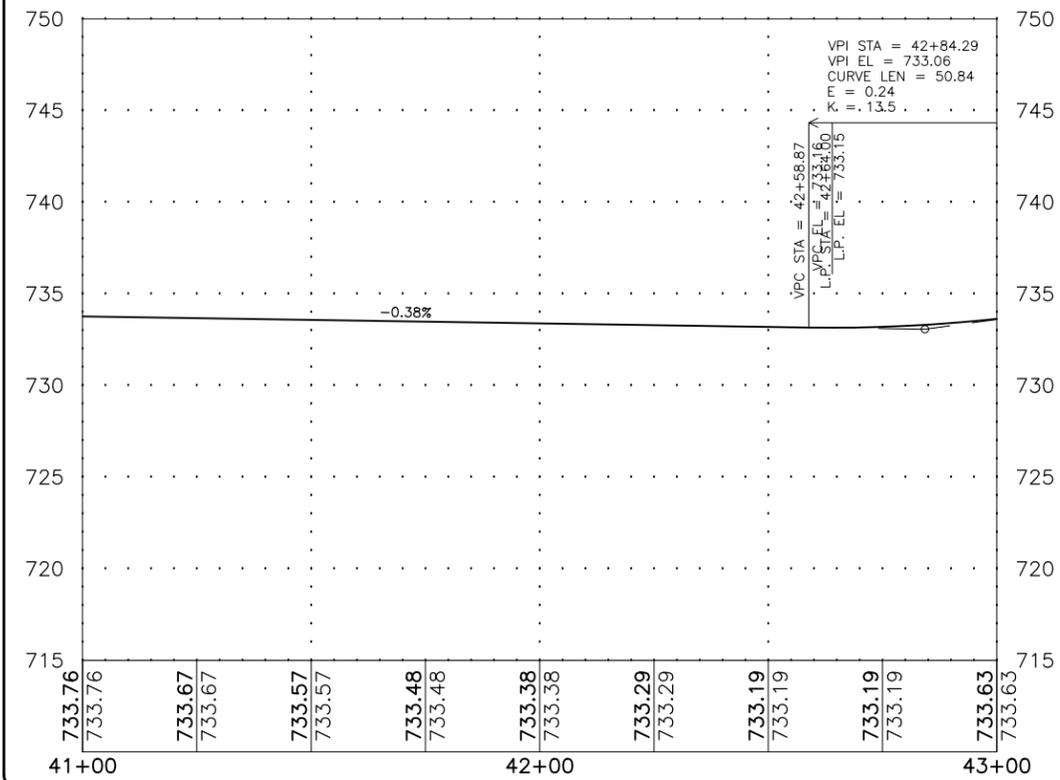
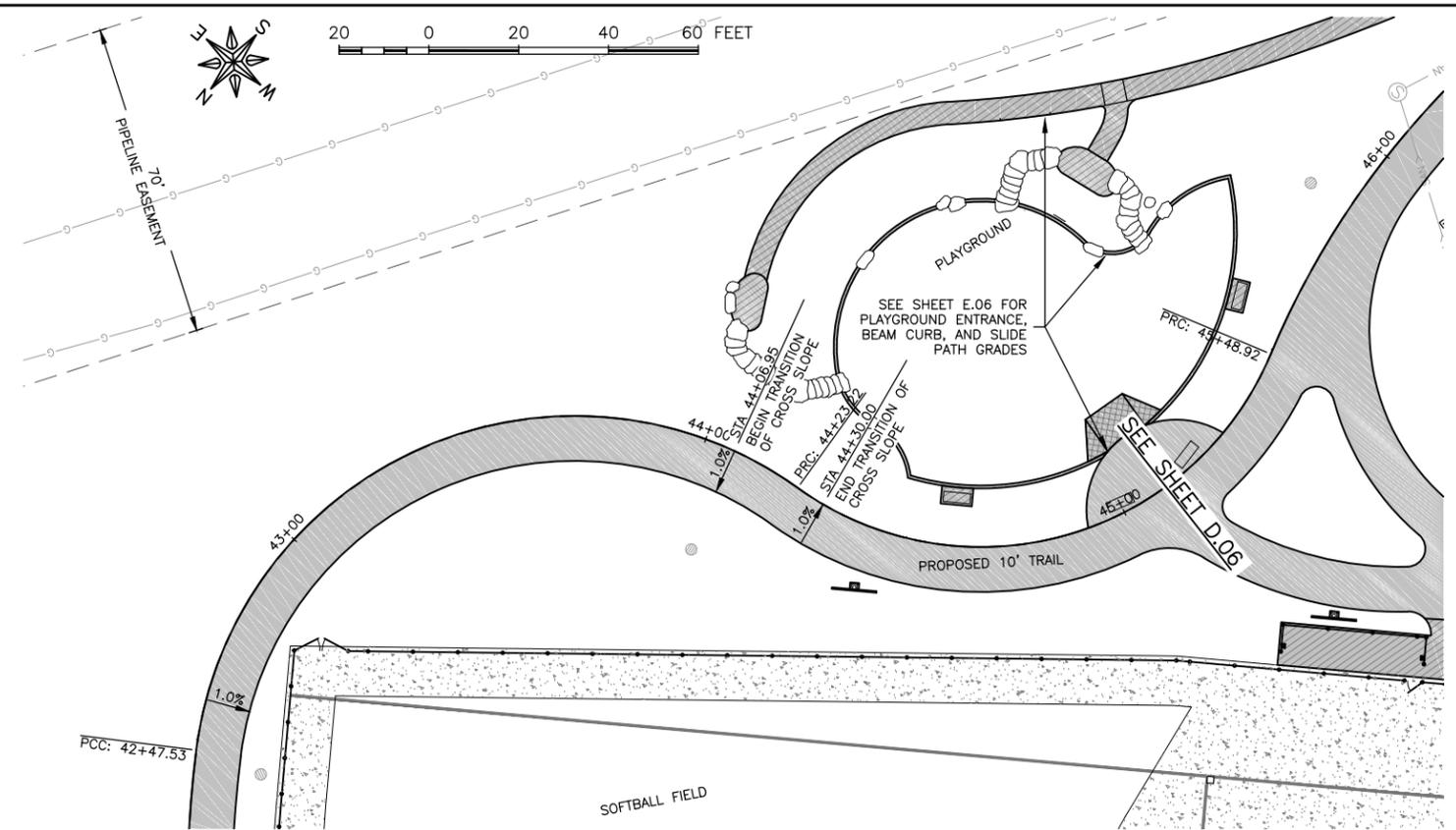
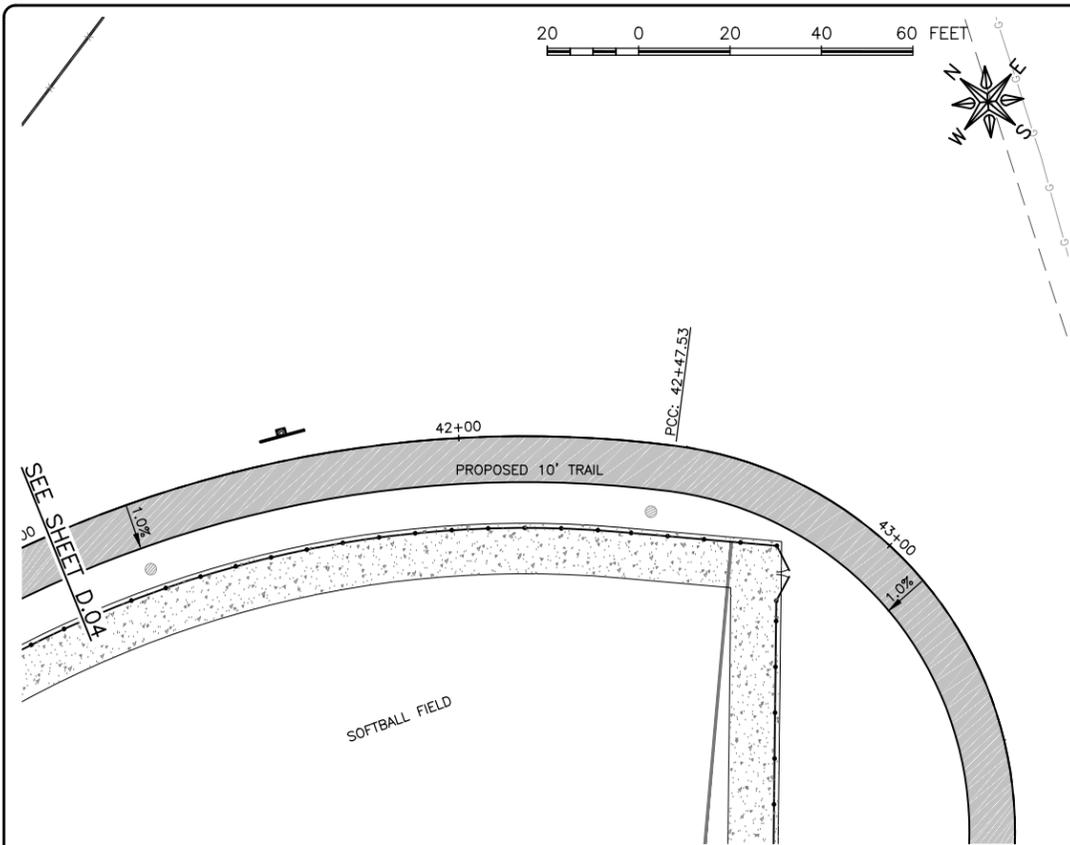
PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: AJB
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
TRAIL PLAN AND PROFILE
SET TYPE: FOR BID
G:\CD\16-072\Plans\16-072 Plans PH2.dwg, D.04

JOB NUMBER:
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SHEET NUMBER:
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WEST BRANCH, IOWA 52358

PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: AJB
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

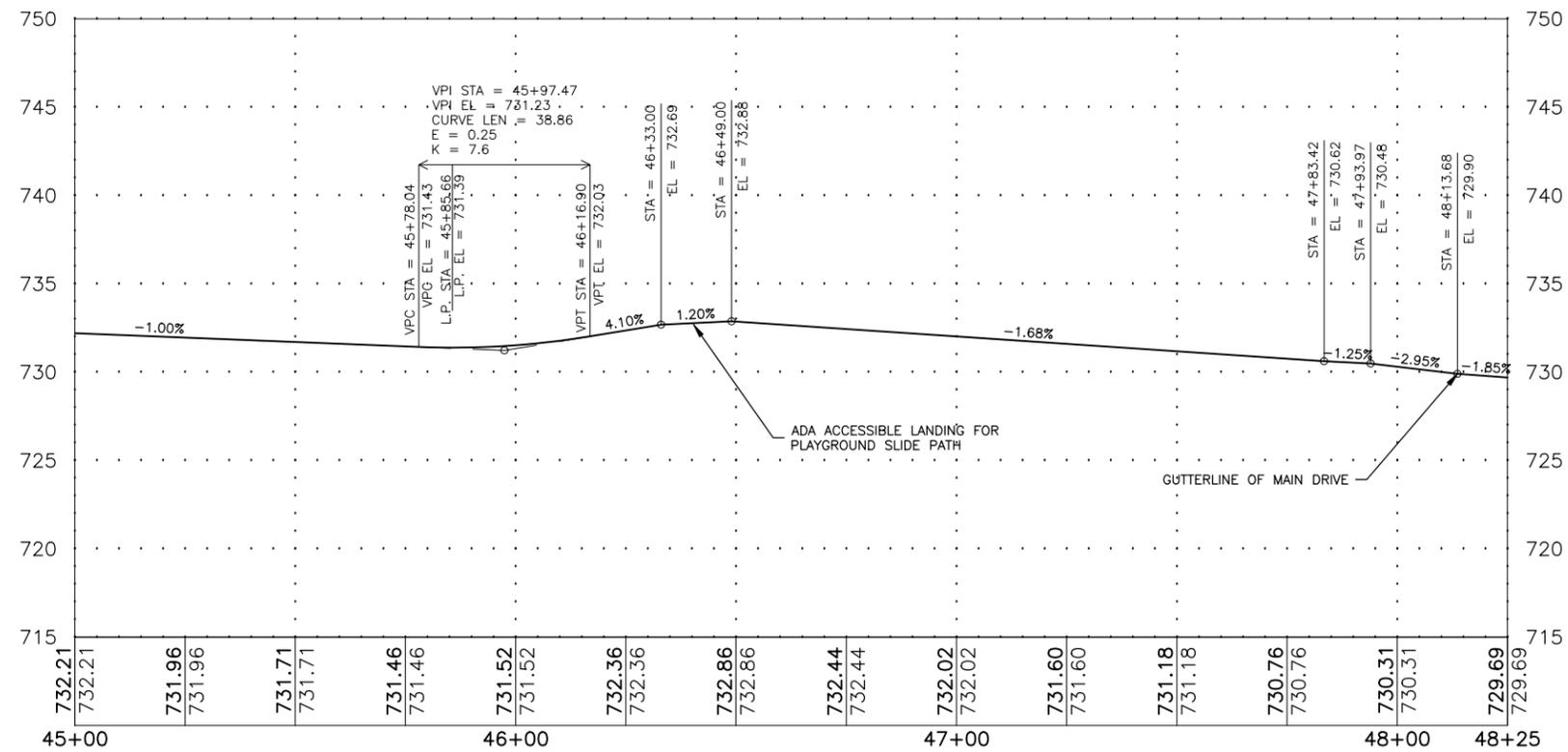
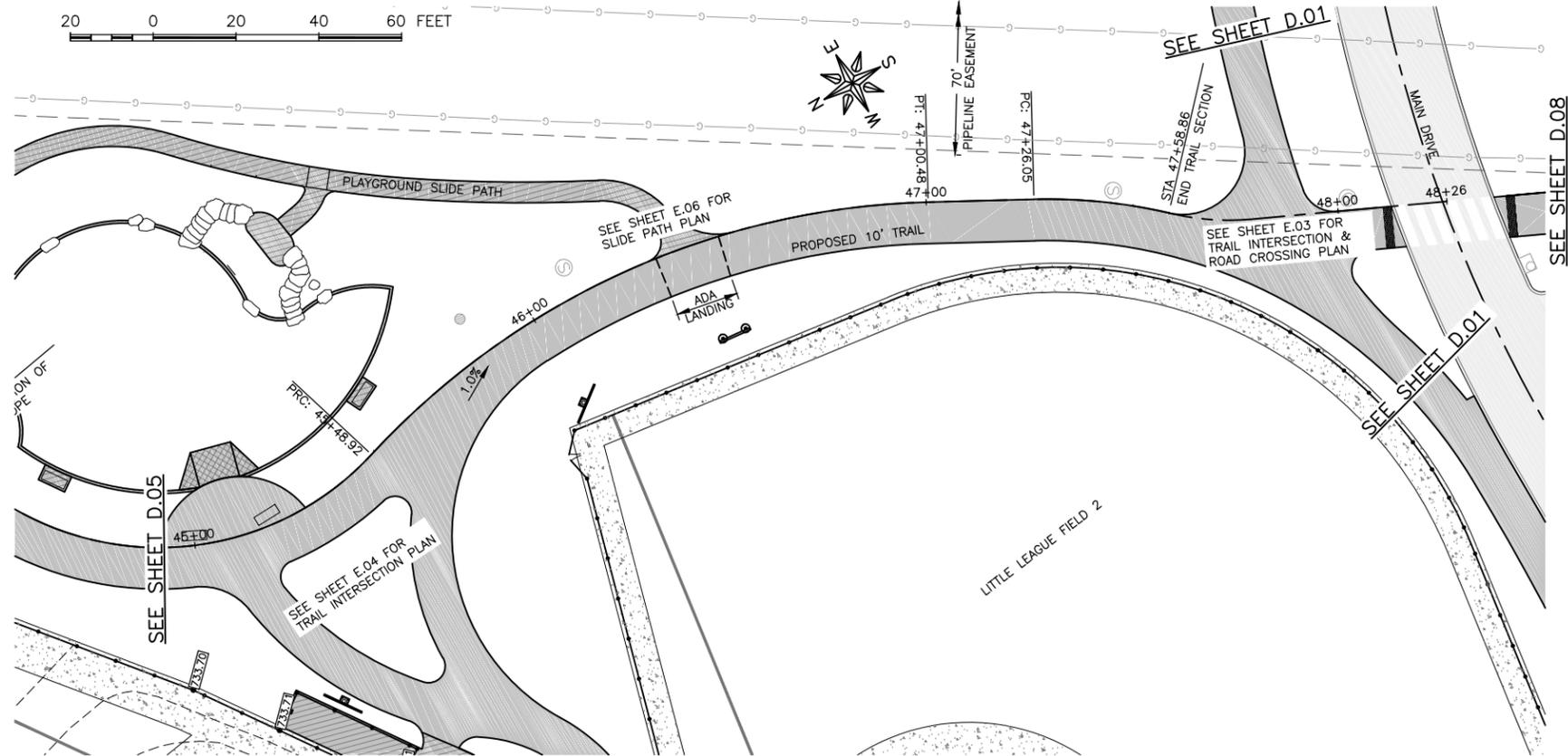
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
TRAIL PLAN AND PROFILE

SET TYPE: FOR BID
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JOB NUMBER:
16-072

SHEET NUMBER:
D.05



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PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: AJB
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

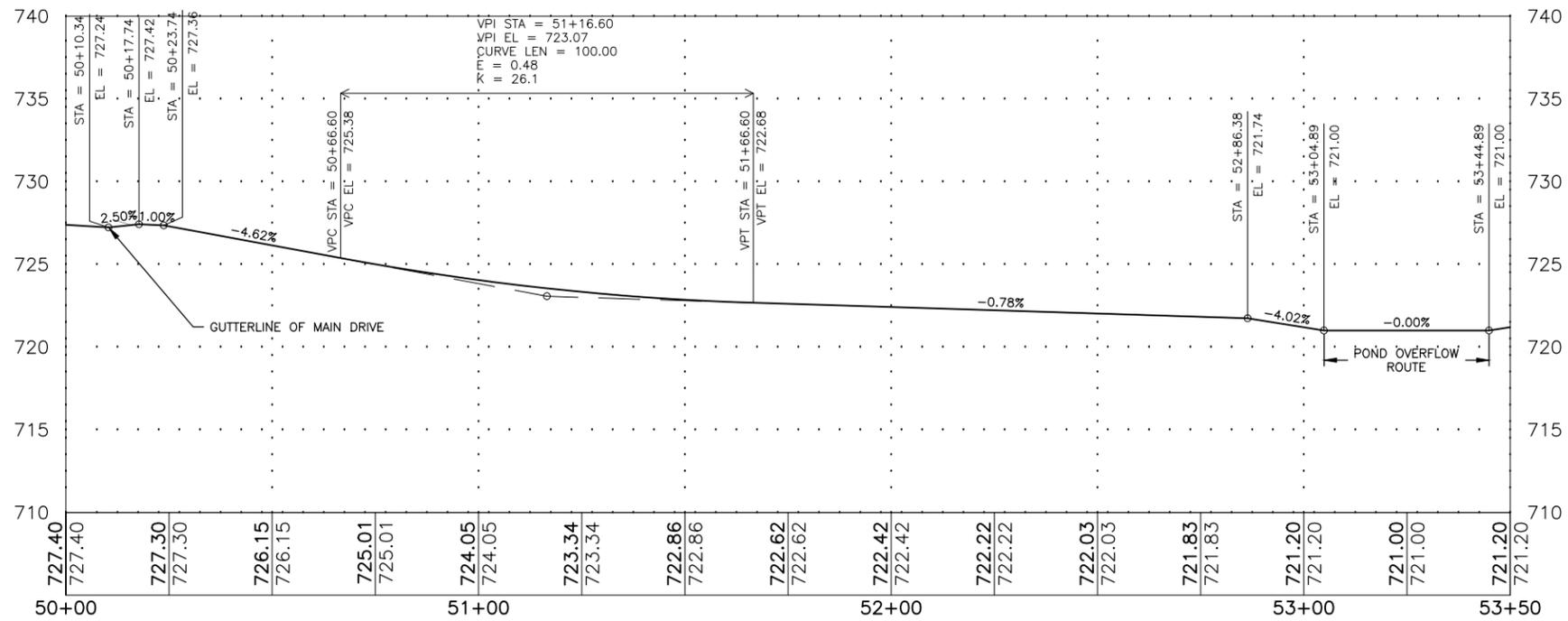
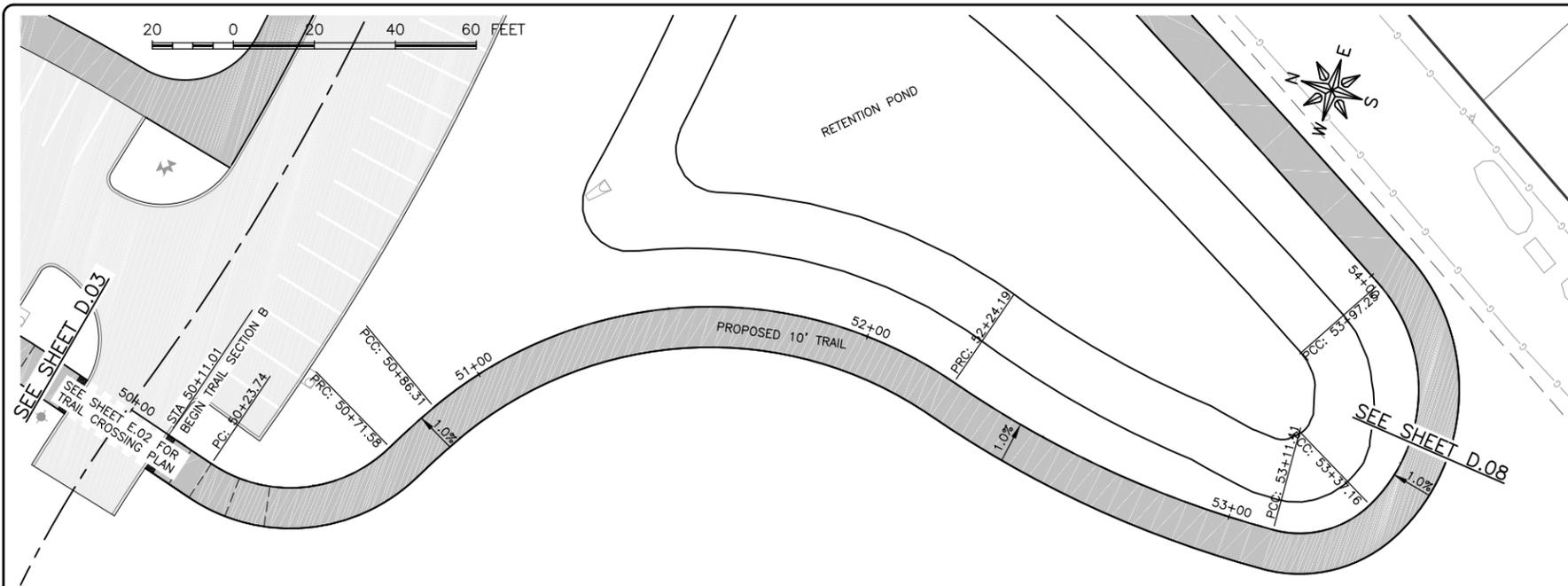
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
TRAIL PLAN AND PROFILE

SET TYPE: FOR BID
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JOB NUMBER:
16-072

SHEET NUMBER:
D.06



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PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: AJB
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

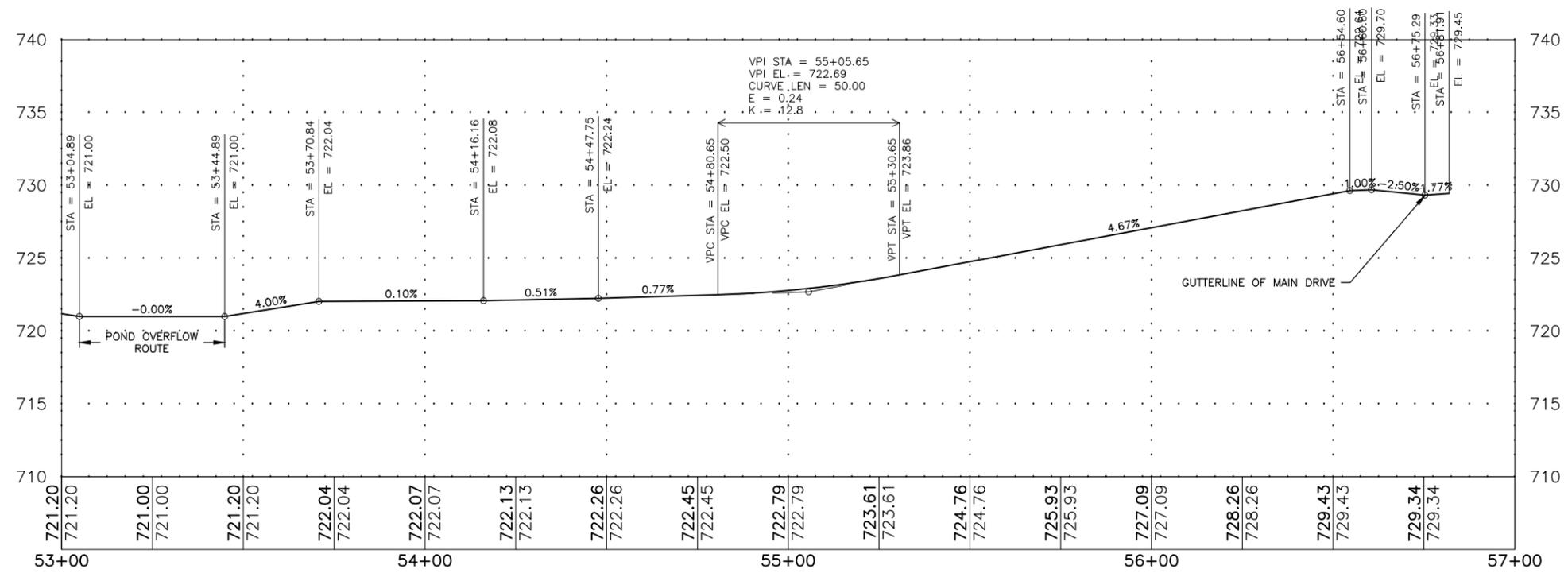
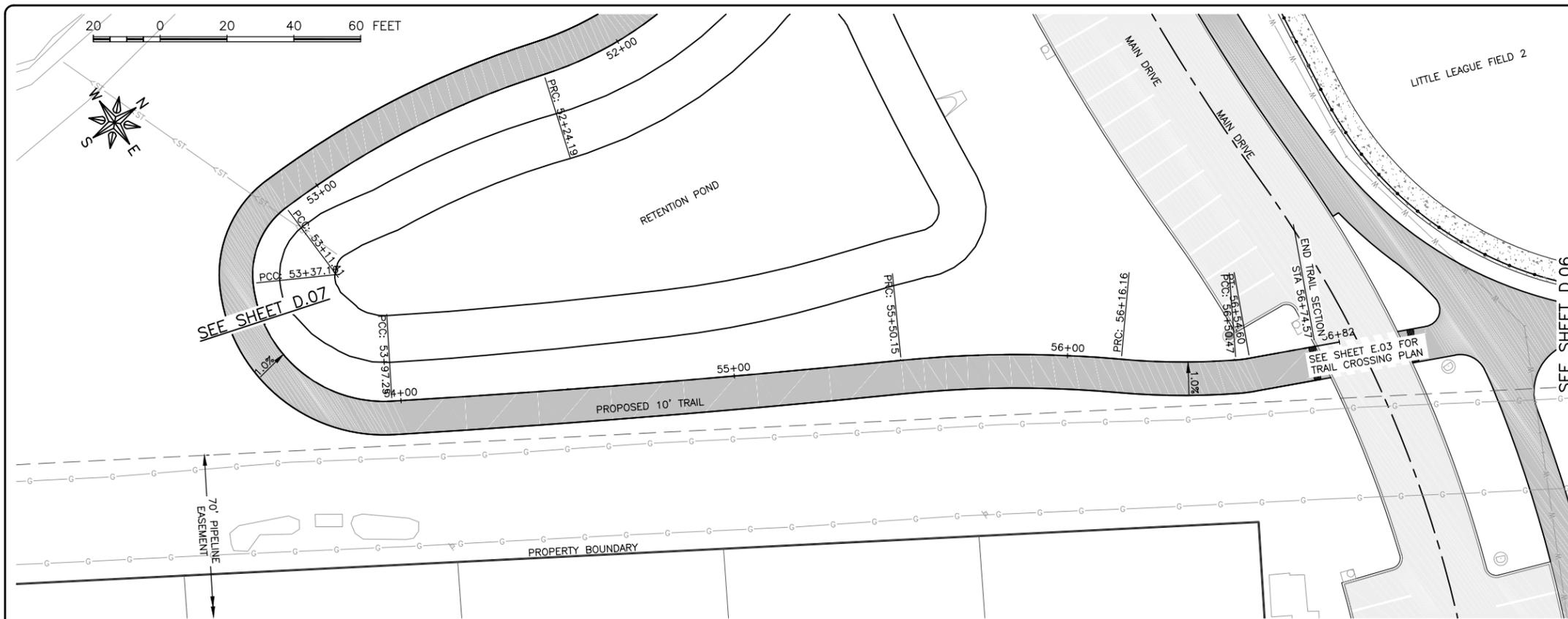
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
TRAIL PLAN AND PROFILE

SET TYPE: FOR BID
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JOB NUMBER:
16-072

SHEET NUMBER:
D.07



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WEST BRANCH, IOWA 52358

PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: AJB
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

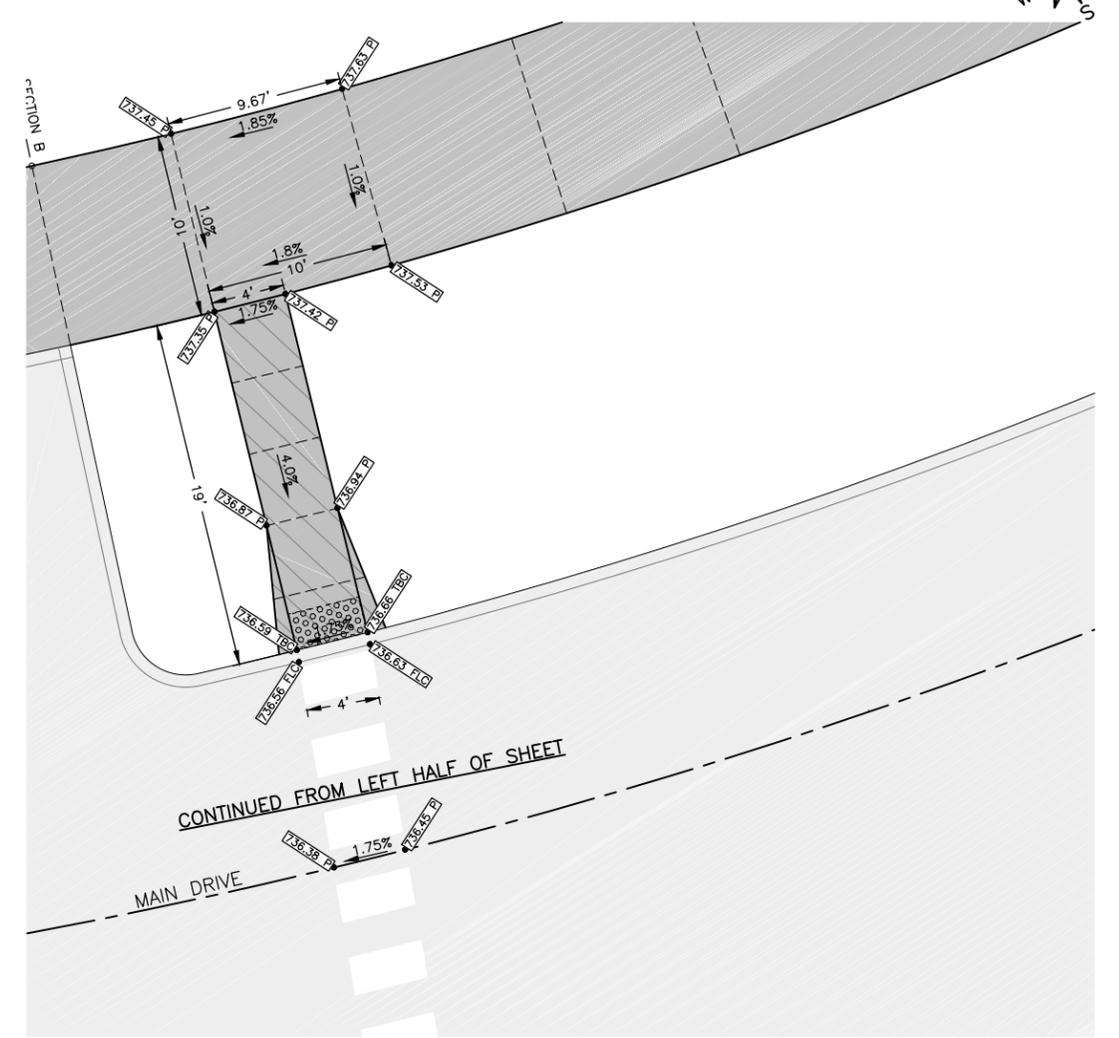
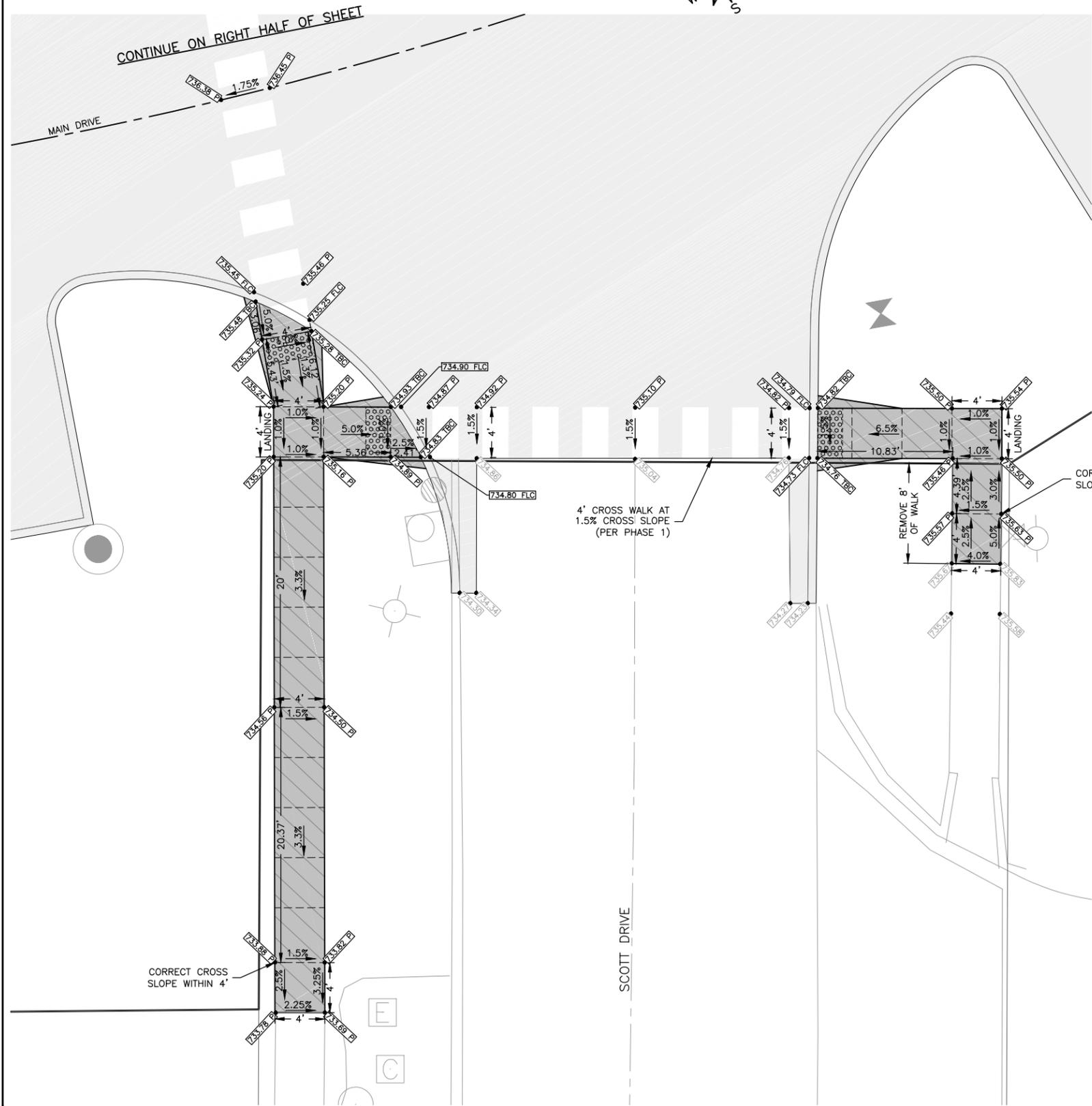
DRAWING:
TRAIL PLAN AND PROFILE

SET TYPE: FOR BID

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JOB NUMBER:
16-072

SHEET NUMBER:
D.08



PAVEMENT HATCHING LEGEND

- PAVEMENT PER PHASE 1
- 6" PCC OVER 4" SUBBASE
- 6" PCC, REINFORCED, OVER 4" SUBBASE
- 4" PCC OVER 4" SUBBASE
- PAVEMENT MARKINGS

LOCATION	SIDEWALK, 4" PCC	SIDEWALK REMOVAL	SUBBASE	DETECTABLE WARNING
	(SY)	(SY)	(TON)	(SF)
SCOTT DRIVE & MAIN DRIVE, NW QUAD	9		3	8
SCOTT DRIVE & MAIN DRIVE, SW QUAD	29		10	8
SCOTT DRIVE & MAIN DRIVE, SE QUAD	11	9	4	8

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PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

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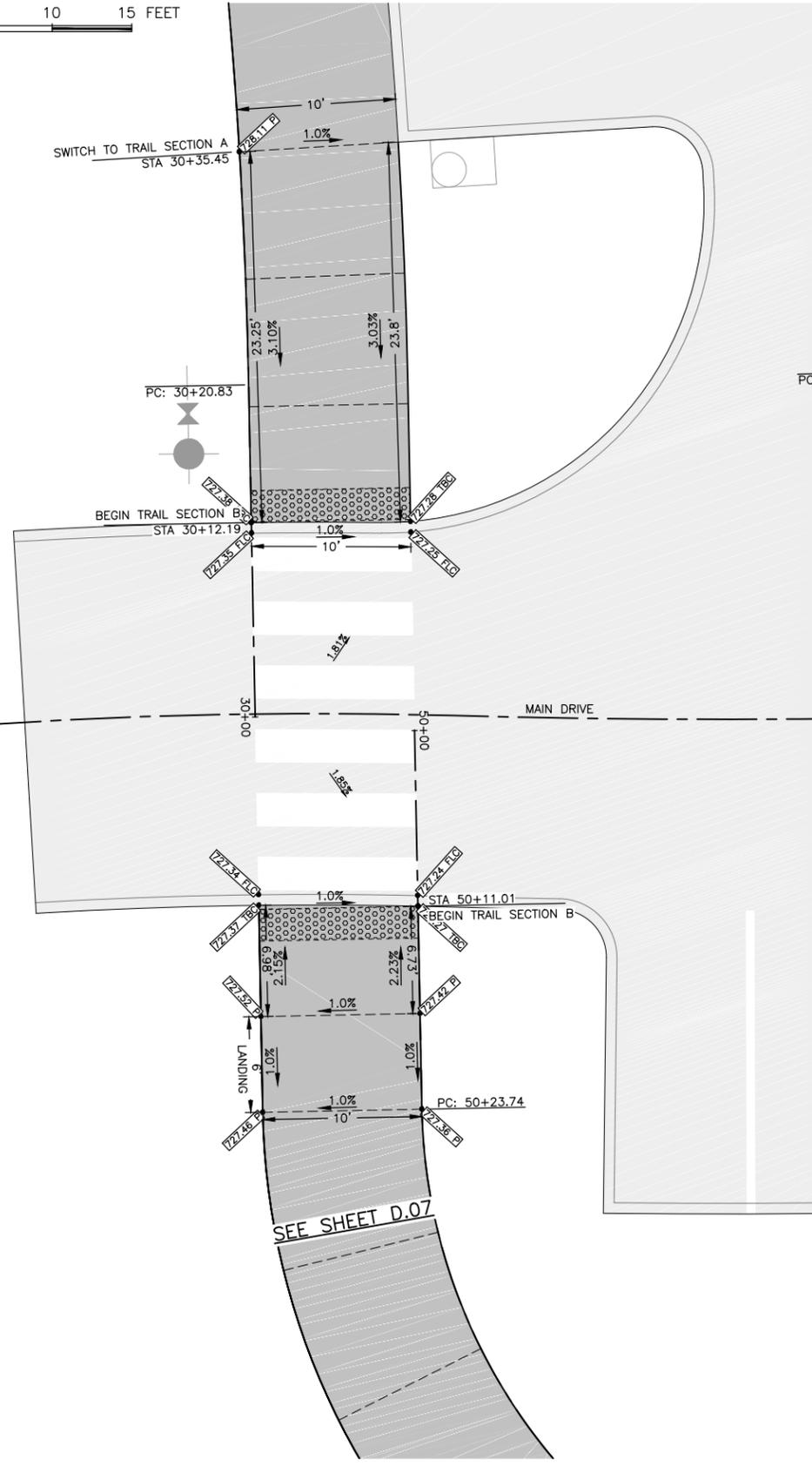
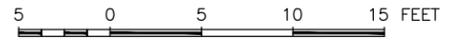
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
SIDEWALK RAMP PLAN

SET TYPE: FOR BID
G:\CD\16-072\Plan\16-072 Plans PH2.dwg, E.01

JOB NUMBER:
16-072

SHEET NUMBER:
E.01



SEE SHEET D.07

LOCATION	DETECTABLE WARNING
	(SF)
MAIN DRIVE STA 2+40 & TRAIL NORTH	20
MAIN DRIVE STA 2+40 & TRAIL SOUTH	20

NOTE: PAVEMENT AND GRANULAR MATERIALS TABULATED ON B.01 SHEETS

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PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

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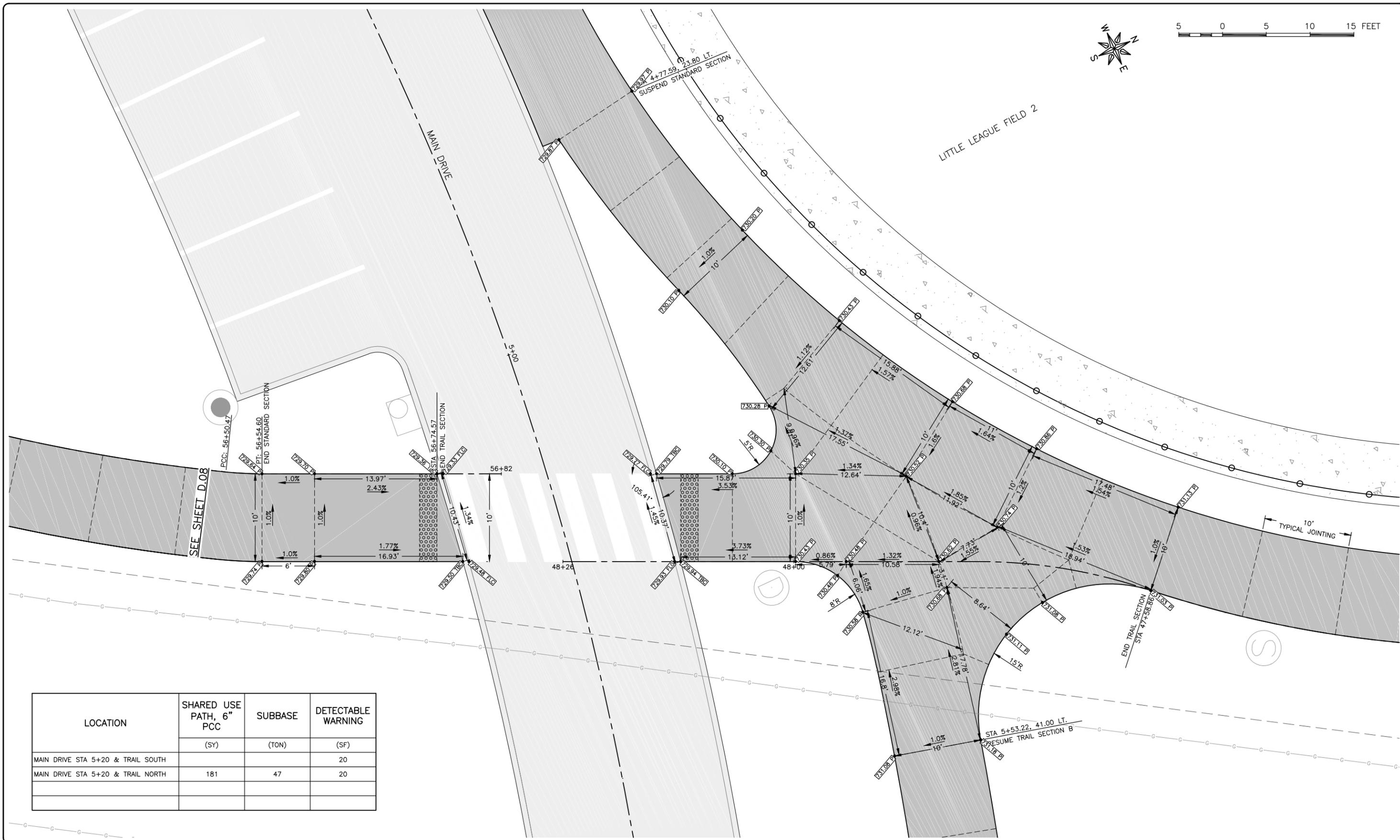
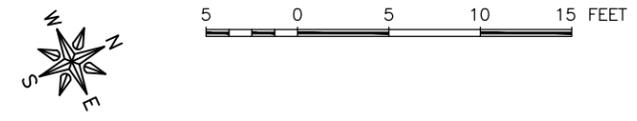
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
SIDEWALK RAMP PLAN

SET TYPE: FOR BID
G:\CSD\16-072\Plans\16-072 Plans PH2.dwg, E.02

JOB NUMBER:
16-072

SHEET NUMBER:
E.02



LOCATION	SHARED USE PATH, 6" PCC	SUBBASE	DETECTABLE WARNING
	(SY)	(TON)	(SF)
MAIN DRIVE STA 5+20 & TRAIL SOUTH			20
MAIN DRIVE STA 5+20 & TRAIL NORTH	181	47	20

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PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: AJB
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DATE: 11-13-2017
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

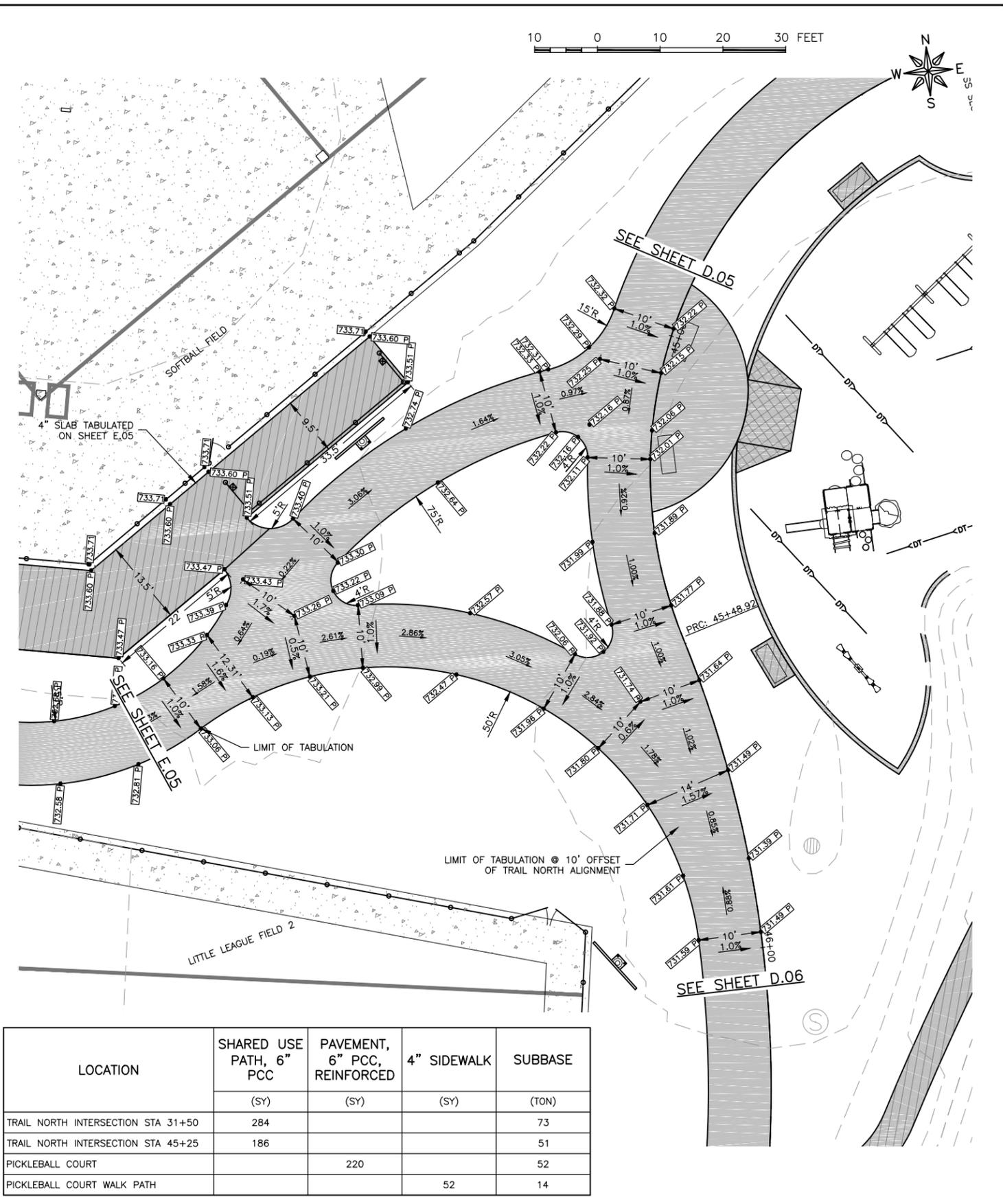
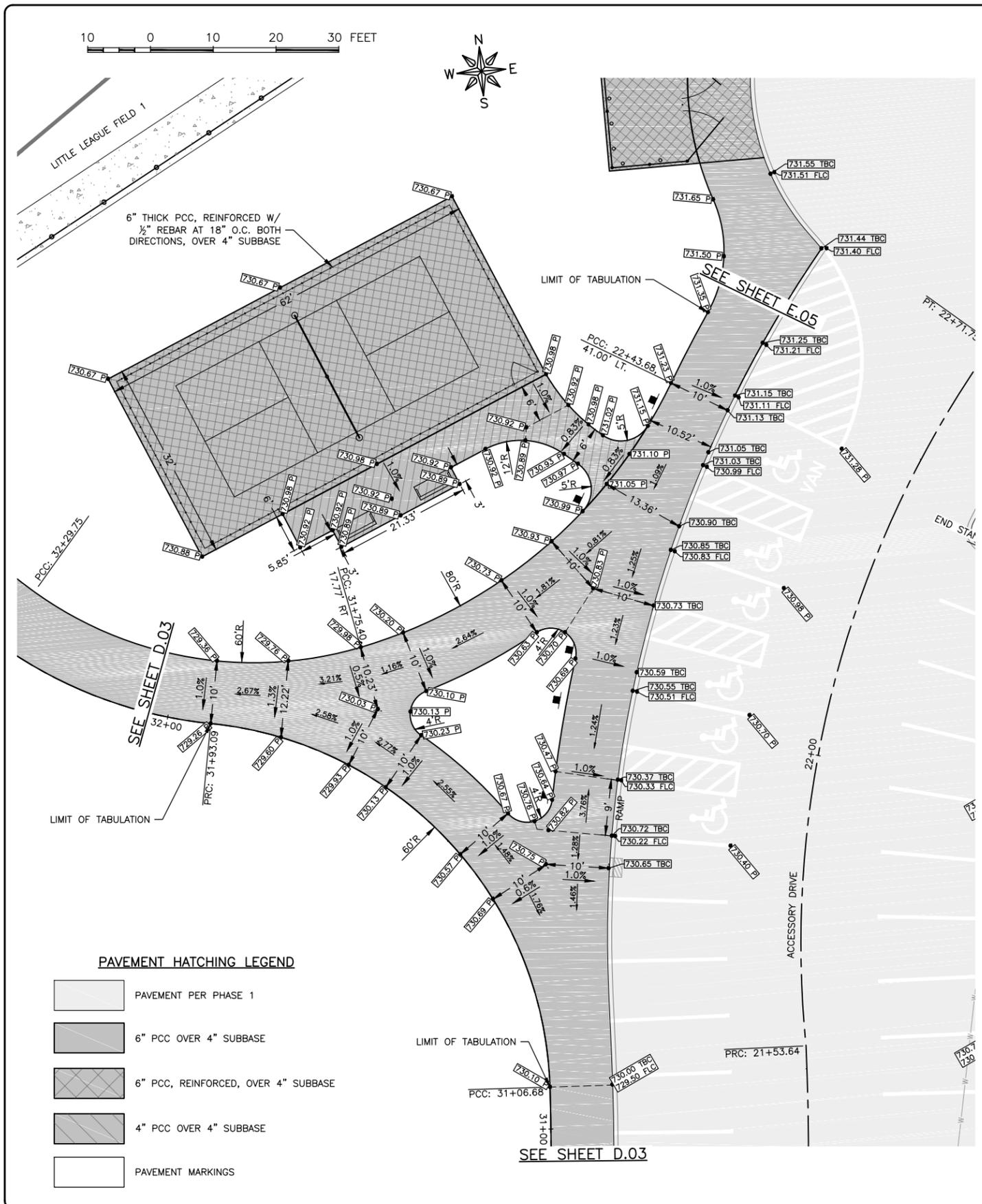
DRAWING:
SIDEWALK RAMP PLAN

SET TYPE: FOR BID

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JOB NUMBER:
16-072

SHEET NUMBER:
E.03



LOCATION	SHARED USE PATH, 6" PCC	PAVEMENT, 6" PCC, REINFORCED	4" SIDEWALK	SUBBASE
	(SY)	(SY)	(SY)	(TON)
TRAIL NORTH INTERSECTION STA 31+50	284			73
TRAIL NORTH INTERSECTION STA 45+25	186			51
PICKLEBALL COURT		220		52
PICKLEBALL COURT WALK PATH			52	14

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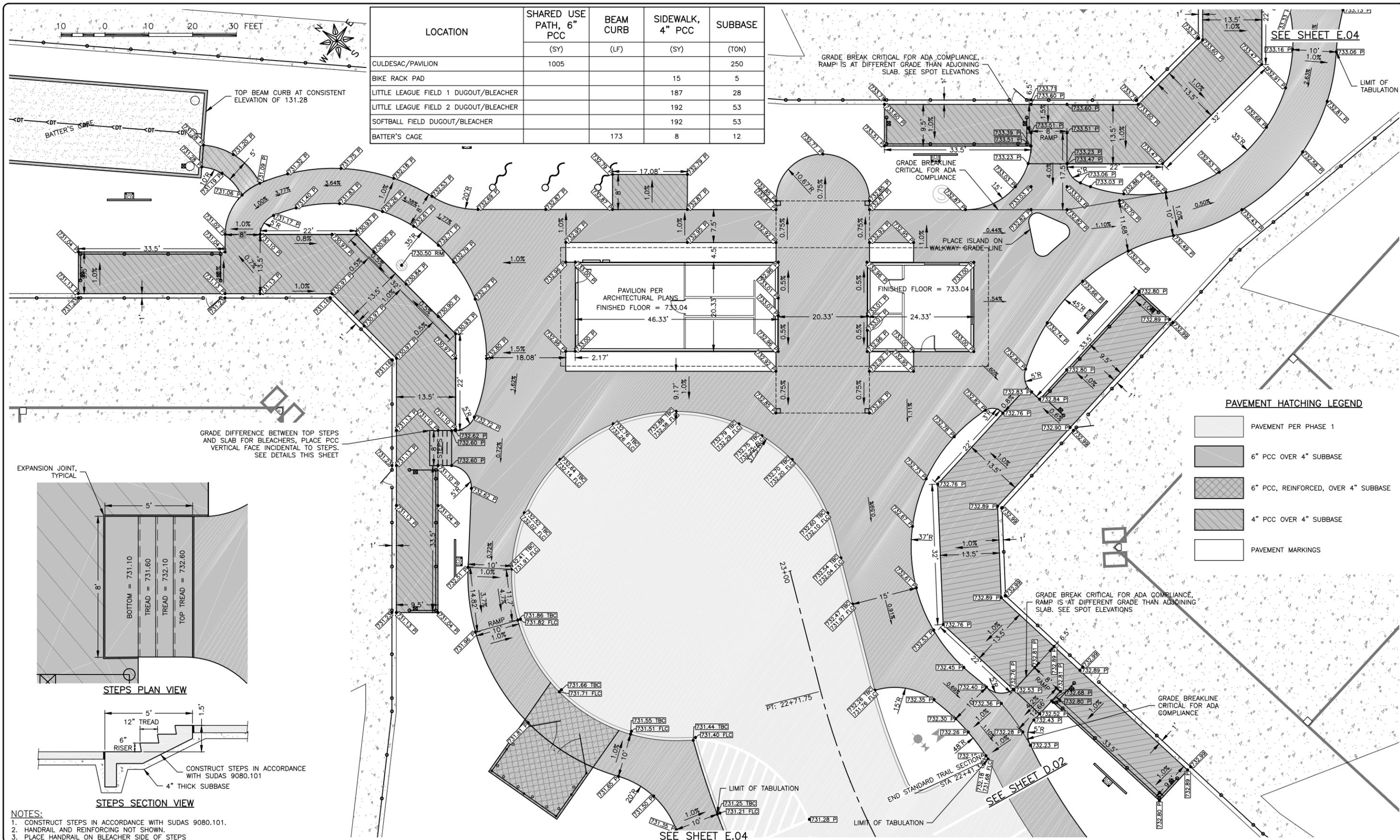
PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: AJB
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DATE: 11-13-2017
SCALE: AS NOTED

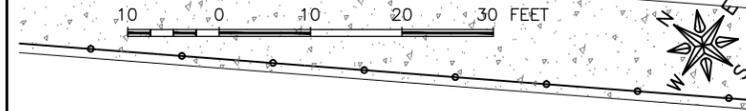
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
TRAIL INTERSECTION PLANS & PICKLEBALL
PAVEMENT PLAN
SET TYPE: FOR BID
G:\CD\16-072\Plan\16-072 Plans PH2.dwg, E.04

JOB NUMBER:
16-072
SHEET NUMBER:
E.04

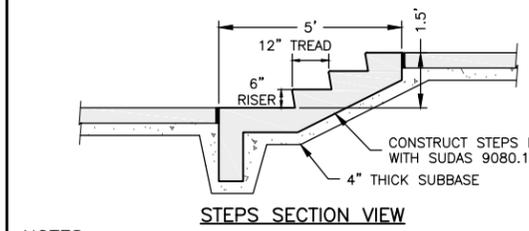
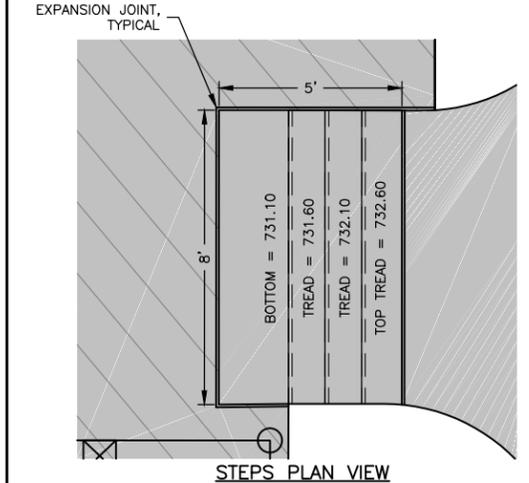


LOCATION	SHARED USE PATH, 6" PCC (SY)	BEAM CURB (LF)	SIDWALK, 4" PCC (SY)	SUBBASE (TON)
CULDESAC/PAVILION	1005			250
BIKE RACK PAD			15	5
LITTLE LEAGUE FIELD 1 DUGOUT/BLEACHER			187	28
LITTLE LEAGUE FIELD 2 DUGOUT/BLEACHER			192	53
SOFTBALL FIELD DUGOUT/BLEACHER			192	53
BATTER'S CAGE		173	8	12



PAVEMENT HATCHING LEGEND

[Hatched Box]	PAVEMENT PER PHASE 1
[Hatched Box]	6" PCC OVER 4" SUBBASE
[Hatched Box]	6" PCC, REINFORCED, OVER 4" SUBBASE
[Hatched Box]	4" PCC OVER 4" SUBBASE
[Hatched Box]	PAVEMENT MARKINGS



- NOTES:**
- CONSTRUCT STEPS IN ACCORDANCE WITH SUDAS 9080.101.
 - HANDRAIL AND REINFORCING NOT SHOWN.
 - PLACE HANDRAIL ON BLEACHER SIDE OF STEPS

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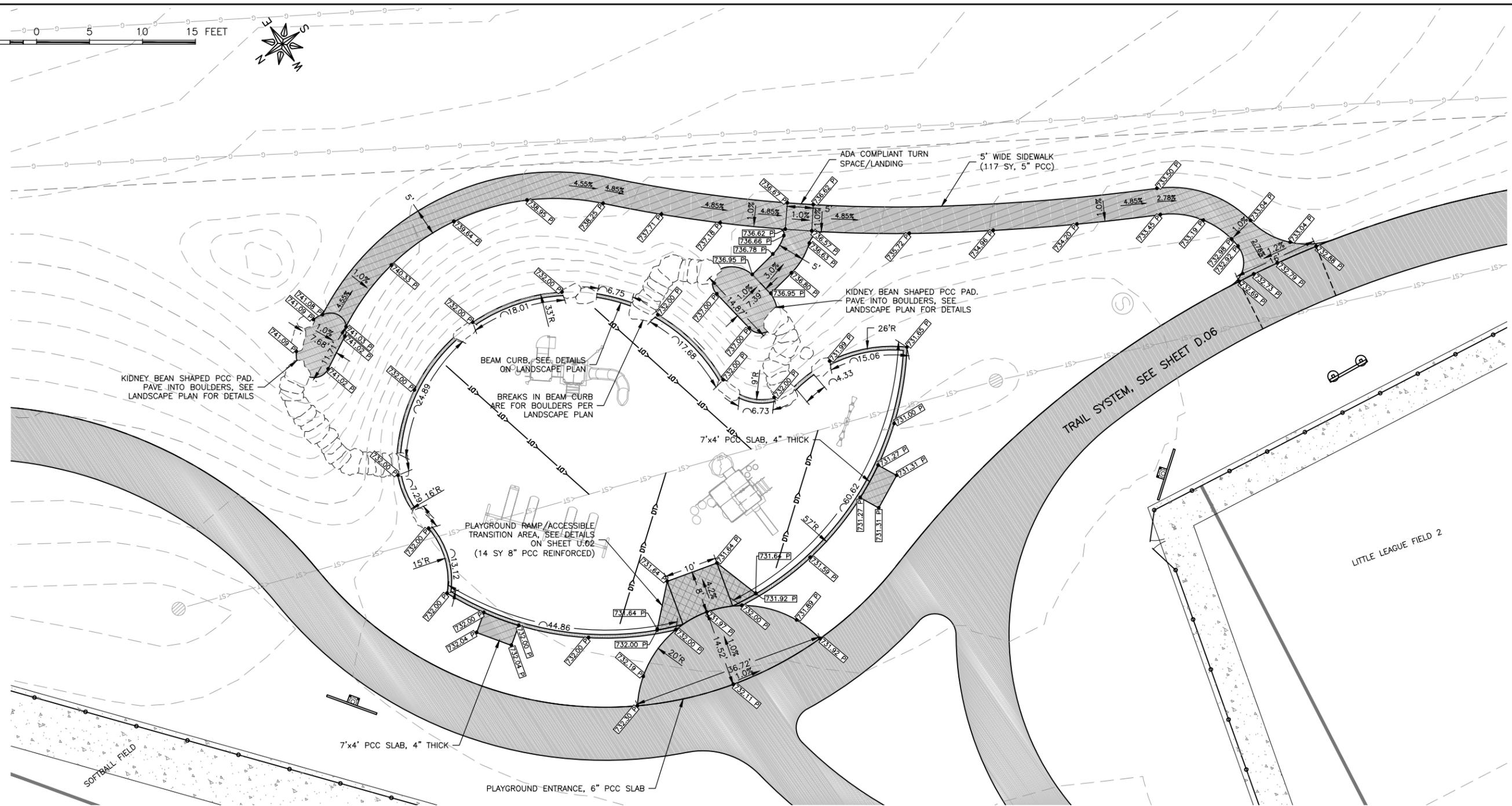
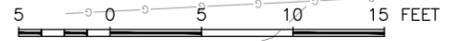
DRAWING:
TRAIL GRADES AT CONCESSIONS AND BALL FIELDS

SET TYPE: FOR BID

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JOB NUMBER:
16-072

SHEET NUMBER:
E.05



LOCATION	SIDEWALK, PCC, 4" THICK (SY)	SHARED USE PATH, 6" THICK (SY)	PAVEMENT, PCC, 8" THICK (NOMINAL) REINFORCED (SY)	BEAM CURB (LF)	SUBBASE (TON)
5' WIDE ACCESSIBLE PATH	165				38
PCC SLAB FOR BENCH, (INCLUDES 2)	6				2
PLAYGROUND BEAM CURB				220	12
PLAYGROUND ENTRANCE SLAB		42			11
PLAYGROUND ACCESSIBLE TRANSITION			14		4
FIRST SLIDE LANDING	10				3
SECOND SLIDE LANDING	10				3

PAVEMENT HATCHING LEGEND

	6" PCC OVER 4" SUBBASE
	6" PCC, REINFORCED, OVER 4" SUBBASE
	4" PCC OVER 4" SUBBASE

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DRAWN BY: AJB
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
PLAYGROUND ACCESSIBLE SIDEWALKS AND CURB
SET TYPE: FOR BID
G:\CD\16-072\Plans\16-072 Plans PH2.dwg, E.06

JOB NUMBER:
16-072
SHEET NUMBER:
E.06

MAIN DRIVE ALIGNMENT									
Number	STATION	NORTHING	EASTING	LENGTH	CHORD	CH LENGTH	RADIUS	DELTA	TANGENT
L1	0+00.00	618213.19	2226016.30	130.91	N88° 43' 11"E				
C1	1+30.91	618216.12	2226147.18	111.69	S80° 49' 47"E	111.07	306.17	020° 54' 04"	56.47
C2	2+42.60	618198.41	2226256.83	214.69	S80° 37' 47"E	213.54	600.00	020° 30' 04"	108.50
C3	4+57.29	618163.65	2226467.53	170.47	S77° 30' 11"E	168.92	365.06	026° 45' 17"	86.82
L2	6+27.75	618127.09	2226632.45	48.56	S64° 07' 33"E				
C4	6+76.31	618105.90	2226676.14	150.24	S77° 04' 05"E	148.96	332.55	025° 53' 04"	76.42
L3	8+26.55	618072.57	2226821.32	199.40	N89° 59' 24"E				

ACCESSORY DRIVE ALIGNMENT									
Number	STATION	NORTHING	EASTING	LENGTH	CHORD	CH LENGTH	RADIUS	DELTA	TANGENT
L1	20+00.00	618159.73	2226274.98	52.72	N16° 53' 19"E				
C1	20+52.72	618210.18	2226290.29	100.92	N09° 39' 39"E	100.65	400.00	014° 27' 19"	50.73
C2	21+53.64	618309.40	2226307.18	118.11	N19° 55' 02"E	115.58	164.21	041° 12' 42"	61.74
L2	22+71.75	618418.07	2226346.56	28.25	N40° 39' 09"E				

TRAIL NORTH ALIGNMENT									
Number	STATION	NORTHING	EASTING	LENGTH	CHORD	CH LENGTH	RADIUS	DELTA	TANGENT
L2	30+00.00	618202.16	2226245.01	20.83	N16° 53' 19"E				
C1	30+20.83	618222.09	2226251.06	85.86	N10° 02' 14"E	85.65	359.00	013° 42' 09"	43.13
C2	31+06.68	618306.43	2226265.99	86.40	N38° 04' 57"W	79.12	59.96	082° 33' 59"	52.64
C3	31+93.09	618368.70	2226217.19	36.66	N64° 17' 40"W	36.25	70.22	029° 55' 04"	18.76
C12	32+29.75	618384.43	2226184.53	27.55	N42° 08' 43"W	27.48	110.00	014° 21' 07"	13.85
L3	32+57.30	618404.80	2226166.09	68.08	N34° 58' 09"W				
C13	33+25.38	618460.59	2226127.07	153.06	N11° 13' 47"W	148.72	184.71	047° 28' 46"	81.23
C4	34+78.45	618606.46	2226098.10	165.53	N33° 20' 09"E	161.91	227.70	041° 39' 06"	86.61
C5	36+43.97	618741.73	2226187.08	88.15	N88° 17' 13"E	83.03	74.01	068° 14' 48"	50.15
C6	37+32.13	618744.21	2226270.08	67.81	S73° 59' 33"E	66.81	114.14	034° 02' 19"	34.94
C7	37+99.93	618725.79	2226334.30	110.34	N81° 05' 08"E	109.99	400.00	015° 48' 18"	55.52
C8	39+10.27	618742.83	2226442.96	337.26	S69° 46' 42"E	314.26	260.86	074° 04' 38"	196.84
C14	42+47.53	618634.21	2226737.85	175.69	S26° 28' 21"W	146.04	85.00	118° 25' 27"	142.66
C9	44+23.22	618503.48	2226672.75	125.70	S34° 14' 26"W	109.48	70.00	102° 53' 16"	87.83
C10	45+48.92	618412.98	2226611.15	151.56	S05° 38' 55"W	147.57	190.00	045° 42' 13"	80.07
L1	47+00.48	618266.12	2226596.62	25.57	S28° 31' 22"W				
C11	47+26.05	618243.65	2226584.41	33.48	S35° 54' 04"W	33.39	130.00	014° 45' 25"	16.83
C15	47+59.53	618216.61	2226564.83	19.35	S34° 02' 23"W	19.27	60.00	018° 28' 46"	9.76
L4	47+78.88	618200.64	2226554.05	47.47	S24° 48' 00"W				

TRAIL SOUTH ALIGNMENT									
Number	STATION	NORTHING	EASTING	LENGTH	CHORD	CH LENGTH	RADIUS	DELTA	TANGENT
L1	50+00.00	618198.25	2226254.28	23.74	S16° 53' 19"W				
C1	50+23.74	618175.54	2226247.38	47.84	S22° 16' 17"E	44.20	35.00	078° 19' 12"	28.50
C2	50+71.58	618134.63	2226264.13	14.72	S59° 08' 25"E	14.72	184.11	004° 34' 56"	7.37
C3	50+86.31	618127.08	2226276.77	137.88	S19° 43' 30"E	128.44	106.40	074° 14' 55"	80.54
C4	52+24.19	618006.18	2226320.12	87.22	S07° 43' 46"W	86.81	258.40	019° 20' 22"	44.03
C5	53+11.41	617920.17	2226308.44	25.75	S31° 26' 55"E	24.63	25.00	059° 01' 00"	14.15
C6	53+37.16	617899.16	2226321.29	60.10	N75° 19' 06"E	54.43	39.37	087° 26' 57"	37.66
C7	53+97.25	617912.95	2226373.94	152.90	N30° 25' 35"E	152.89	3752.19	002° 20' 05"	76.46
C8	55+50.15	618044.78	2226451.37	66.00	N34° 42' 19"E	65.90	347.19	010° 53' 32"	33.10
C9	56+16.16	618098.96	2226488.89	34.31	N35° 22' 08"E	34.27	205.55	009° 33' 54"	17.20
C10	56+50.47	618126.91	2226508.73	4.13	N27° 41' 36"E	4.13	40.90	005° 47' 11"	2.07
L2	56+54.60	618130.57	2226510.65	27.31	N24° 48' 00"E				

CHANNEL ALIGNMENT									
Number	STATION	NORTHING	EASTING	LENGTH	CHORD	CH LENGTH	RADIUS	DELTA	TANGENT
L1	112+50.00	618148.93	2226189.42	42.09	N16° 46' 15"W				
C1	112+92.09	618189.23	2226177.27	12.87	N03° 14' 01"W	12.75	27.23	027° 04' 27"	6.56
L2	113+04.96	618201.96	2226176.55	23.89	N10° 18' 13"E				
C2	113+28.85	618225.46	2226180.83	14.39	N02° 13' 39"W	14.27	32.89	025° 03' 43"	7.31
L3	113+43.23	618239.72	2226180.27	75.49	N14° 45' 30"W				
C3	114+18.73	618312.73	2226161.04	9.93	N25° 31' 50"W	9.87	26.40	021° 32' 39"	5.02
L4	114+28.65	618321.63	2226156.79	26.59	N36° 18' 10"W				
C4	114+55.24	618343.06	2226141.05	9.57	N00° 57' 23"E	8.91	7.36	074° 31' 05"	5.60
L5	114+64.81	618351.96	2226141.20	8.75	N38° 12' 56"E				
C5	114+73.56	618358.84	2226146.61	8.68	N21° 54' 14"E	8.56	15.24	032° 37' 25"	4.46
L6	114+82.24	618366.78	2226149.81	0.93	N05° 35' 31"E				
C6	114+83.17	618367.71	2226149.90	10.04	N12° 16' 01"W	9.88	16.11	035° 43' 05"	5.19
L7	114+93.21	618377.37	2226147.80	17.48	N30° 07' 34"W				
L8	115+10.70	618392.49	2226139.02	23.03	N31° 07' 20"W				
C7	115+33.72	618412.20	2226127.12	18.14	N46° 33' 35"W	17.92	33.66	030° 52' 30"	9.30
L9	115+51.86	618424.52	2226114.11	17.57	N61° 59' 50"W				
C8	115+69.44	618432.77	2226098.59	23.23	N50° 38' 36"W	23.08	58.62	022° 42' 28"	11.77
L10	115+92.67	618447.41	2226080.75	2.23	N39° 17' 22"W				
C9	115+94.90	618449.13	2226079.34	25.20	N25° 25' 49"W	24.96	52.10	027° 43' 06"	12.85
L11	116+20.10	618471.67	2226068.62	24.54	N11° 34' 16"W				
L12	116+44.64	618495.71	2226063.70	41.69	N10° 01' 52"W				
L13	116+86.33	618536.76	2226056.44	43.14	N06° 02' 00"W				
C10	117+29.46	618579.66	2226051.90	19.32	N30° 49' 08"W	18.72	22.33	049° 34' 15"	10.31
L14	117+48.78	618595.74	2226042.31	35.26	N55° 36' 16"W				
C11	117+84.03	618615.65	2226013.22	27.80	N60° 14' 16"W	27.77	171.88	009° 16' 00"	13.93
L15	118+11.83	618629.44	2225989.11	1.27	N64° 52' 15"W				
L16	118+13.10	618629.98	2225987.97	8.49	N71° 00' 52"W				
C12	118+21.59	618632.74	2225979.94	46.39	N60° 00' 05"W	46.11	120.67	022° 01' 35"	23.49
L17	118+67.98	618655.79	2225940.01	19.54	N48° 59' 17"W				



ILLINOIS
IOWA
WISCONSIN

OWNER/DEVELOPER:
CITY OF WEST BRANCH
110 NORTH POPLAR STREET
WEST BRANCH, IOWA 52358

PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: AJB
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
ALIGNMENT DATA

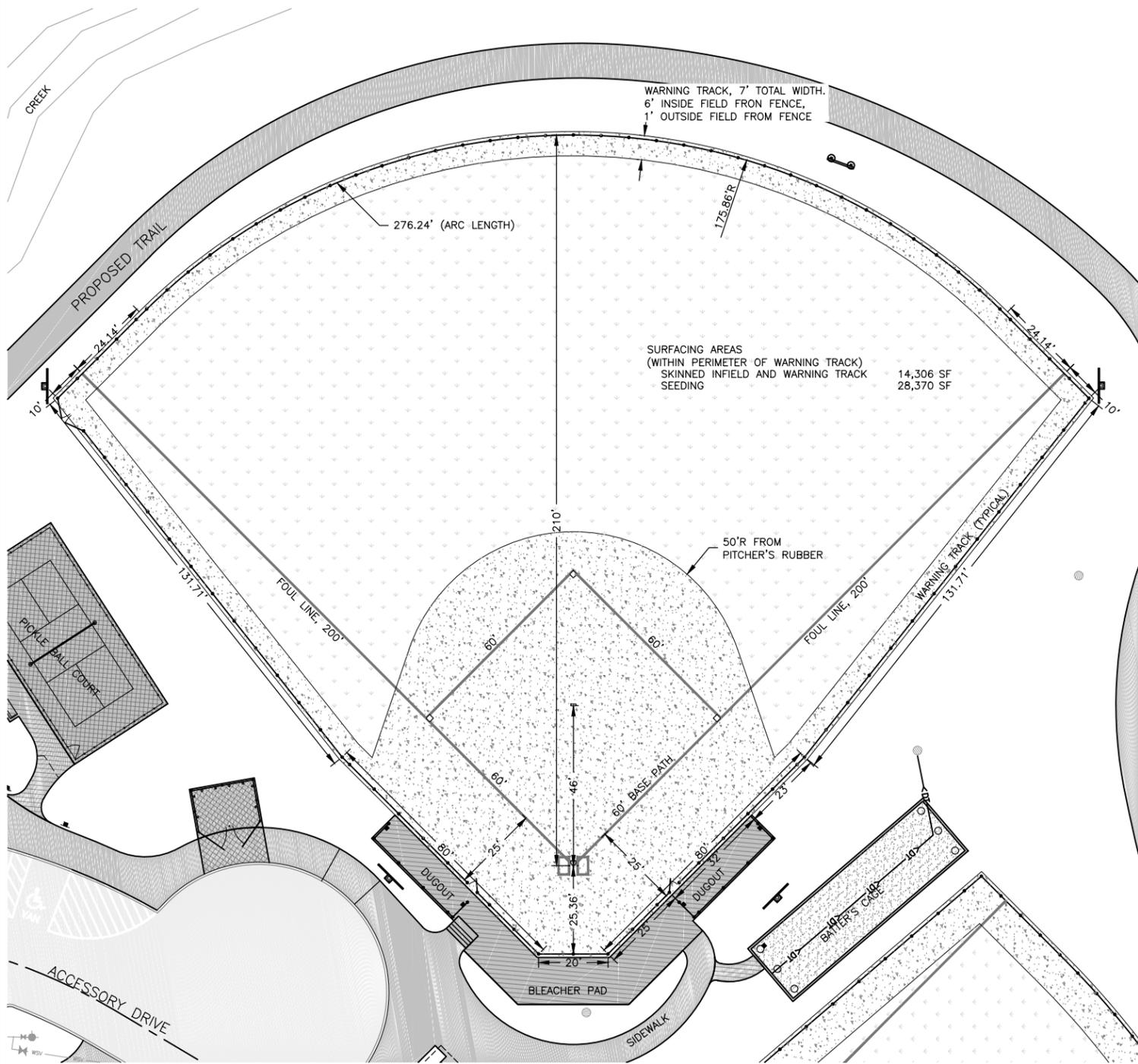
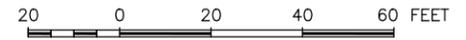
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JOB NUMBER:
16-072

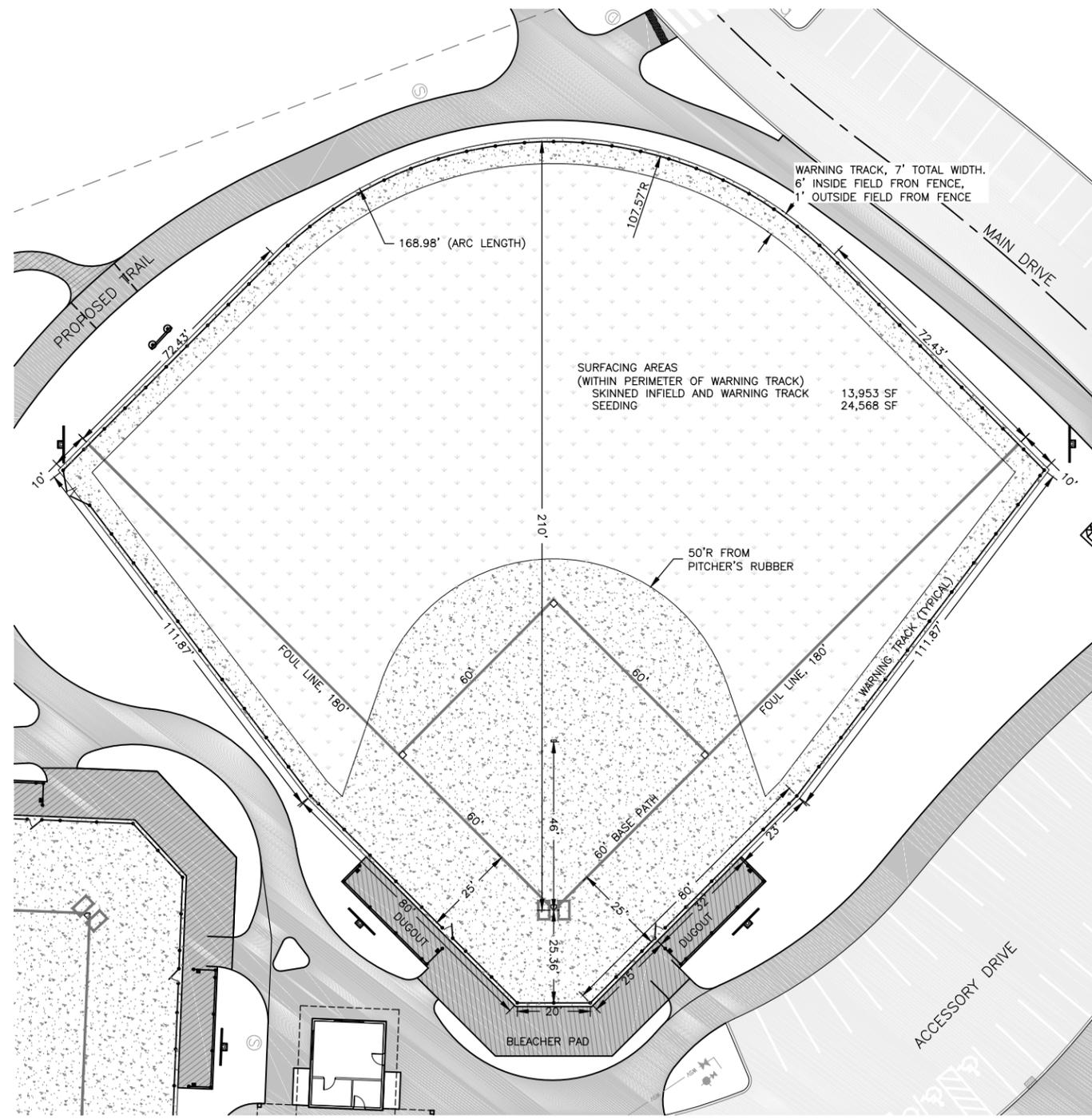
SHEET NUMBER:
G.01

HATCHING LEGEND

-  SKINNED INFIELD & WARNING TRACK:
BRYON ROCK PRODUCT RED BALL DIAMOND AGGREGATE
-  BALLFIELD GRASSED AREAS:
TYPE A BLUEGRASS MIX



LITTLE LEAGUE FIELD 1



LITTLE LEAGUE FIELD 2

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CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

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APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

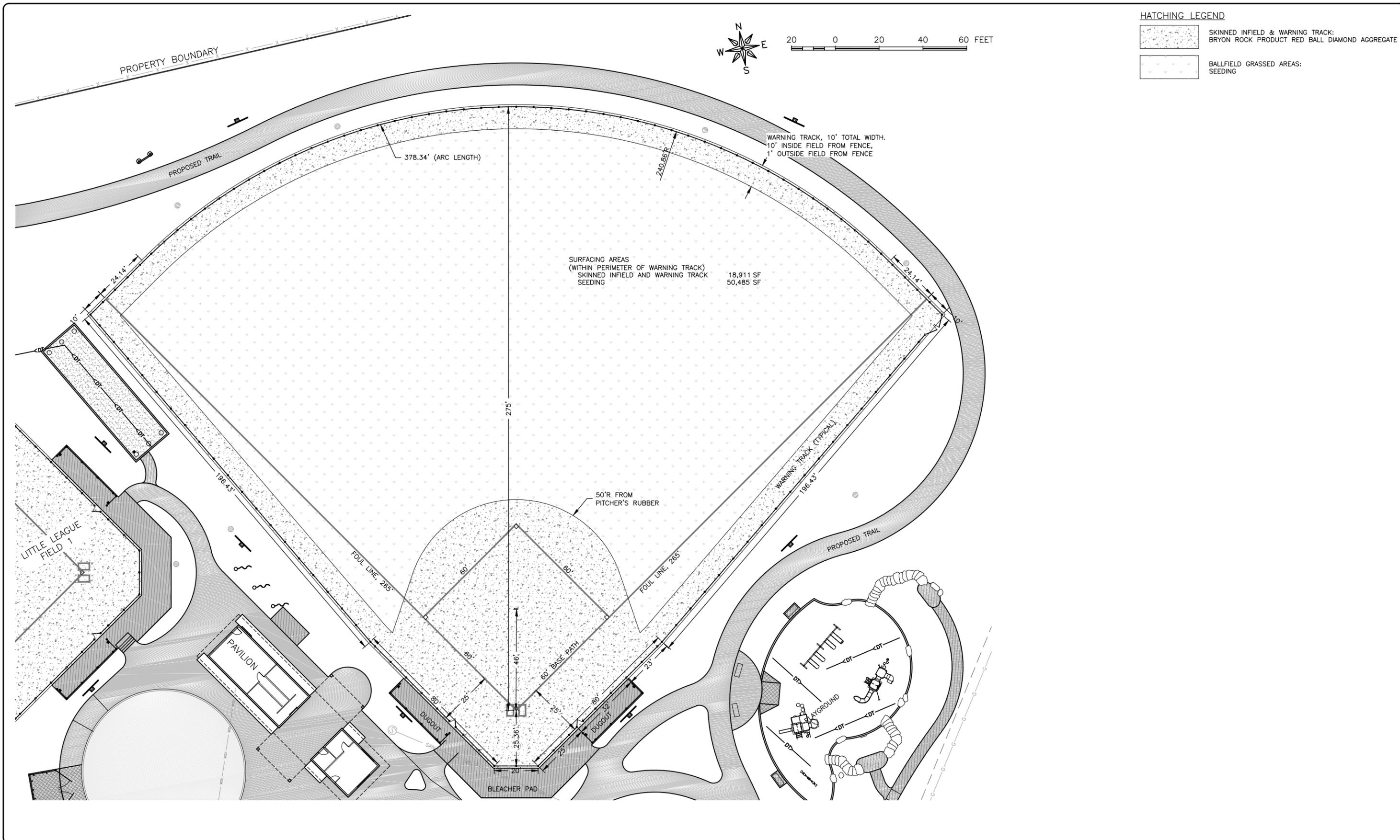
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
DIMENSIONING PLAN, LITTLE LEAGUE FIELDS

SET TYPE: FOR BID

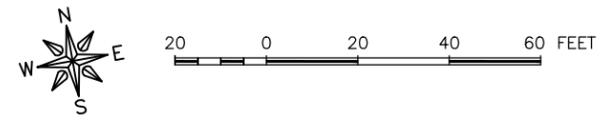
JOB NUMBER:
16-072

SHEET NUMBER:
H.01



HATCHING LEGEND

	SKINNED INFIELD & WARNING TRACK: BRYON ROCK PRODUCT RED BALL DIAMOND AGGREGATE
	BALLFIELD GRASSED AREAS: SEEDING



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110 NORTH POPLAR STREET
WEST BRANCH, IOWA 52358

PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: AJB
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
DIMENSIONING PLAN, SOFTBALL FIELD

SET TYPE: FOR BID

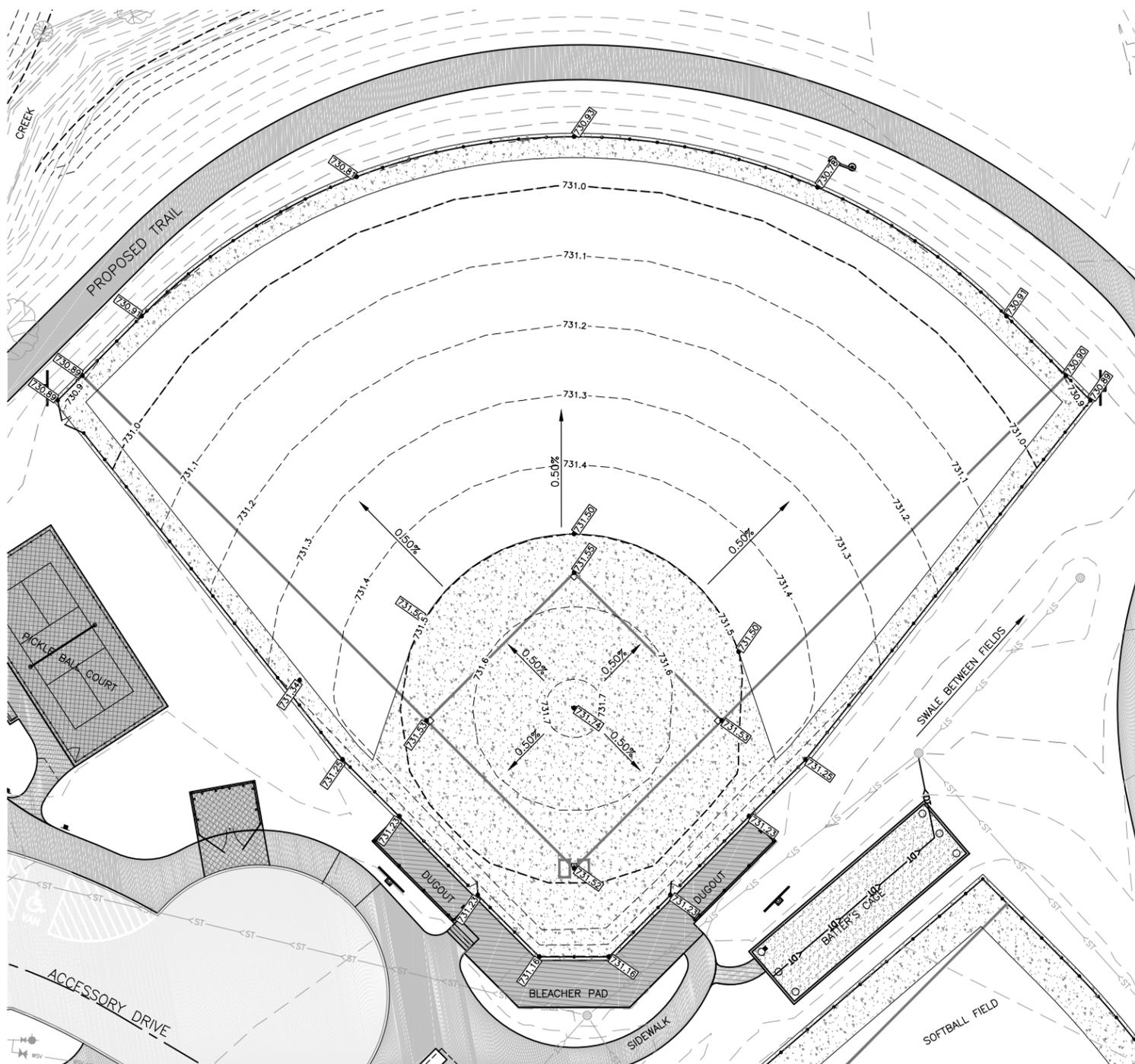
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JOB NUMBER:
16-072

SHEET NUMBER:
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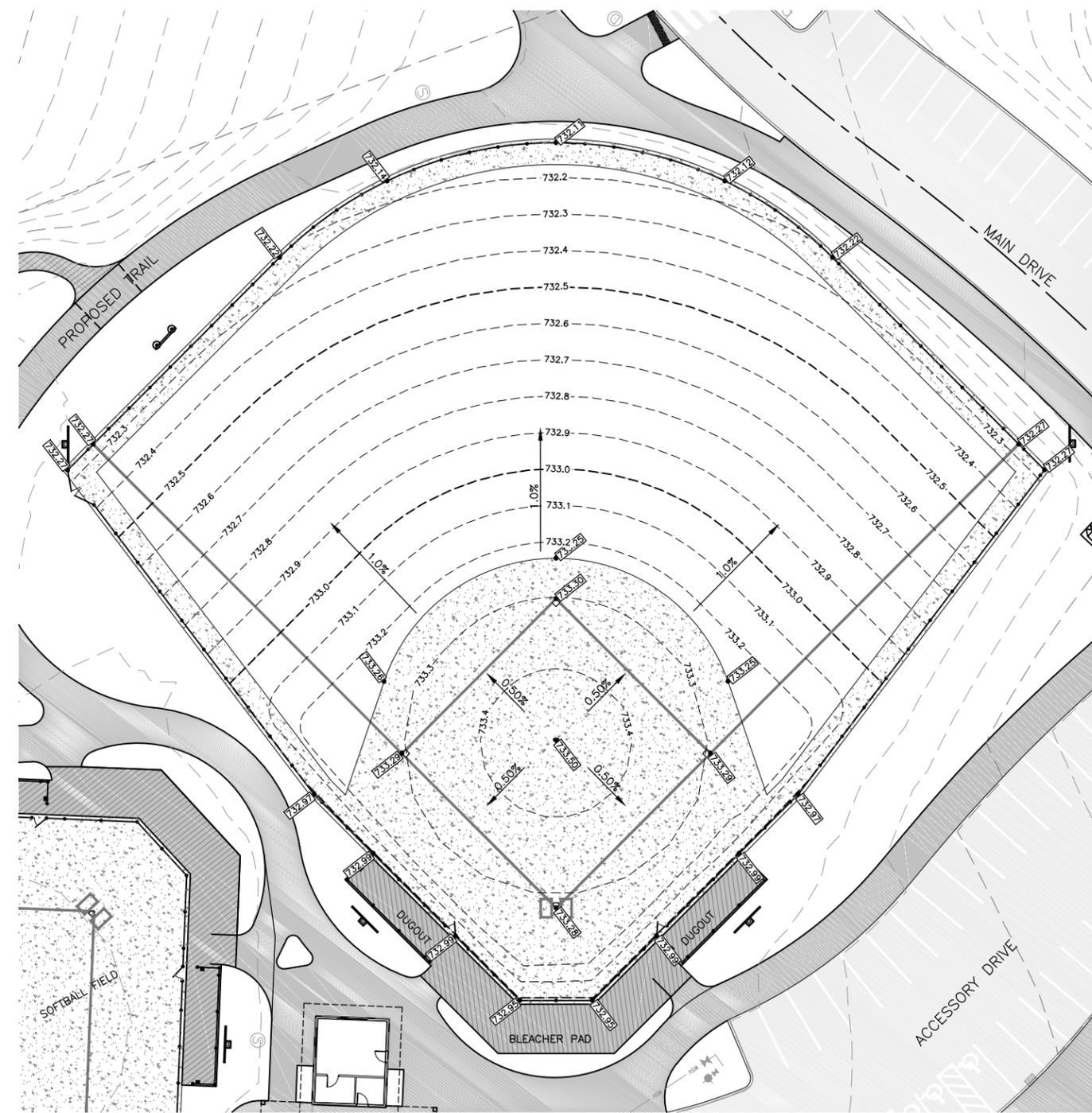
- GENERAL NOTES:
 1. CONTOURS WITHIN THE FIELD LIMITS ARE SHOWN AT 0.1' INTERVALS. ALL OTHER AREAS ARE SHOWN AT 1.0' INTERVALS.
 2. BALL FIELDS ARE ROUGH GRADED AND TEMPORARILY SEEDED FROM PHASE 1.

20 0 20 40 60 FEET



LITTLE LEAGUE FIELD 1

20 0 20 40 60 FEET



LITTLE LEAGUE FIELD 2

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ILLINOIS
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 WISCONSIN

OWNER/DEVELOPER:
 CITY OF WEST BRANCH
 110 NORTH POPLAR STREET
 WEST BRANCH, IOWA 52358

PROJECT AND LOCATION:
 CUBBY PARK IMPROVEMENTS -
 PHASE 2
 WEST BRANCH, IOWA

DRAWN BY: AJB
 APPROVED BY: NPK
 DATE: 11-13-2017
 SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
 GRADING PLAN, LITTLE LEAGUE FIELDS

SET TYPE:
 G:\CD\16-072\Plans\16-072 Plans PH2.dwg, H.03

FOR BID

JOB NUMBER:
 16-072

SHEET NUMBER:
 H.03

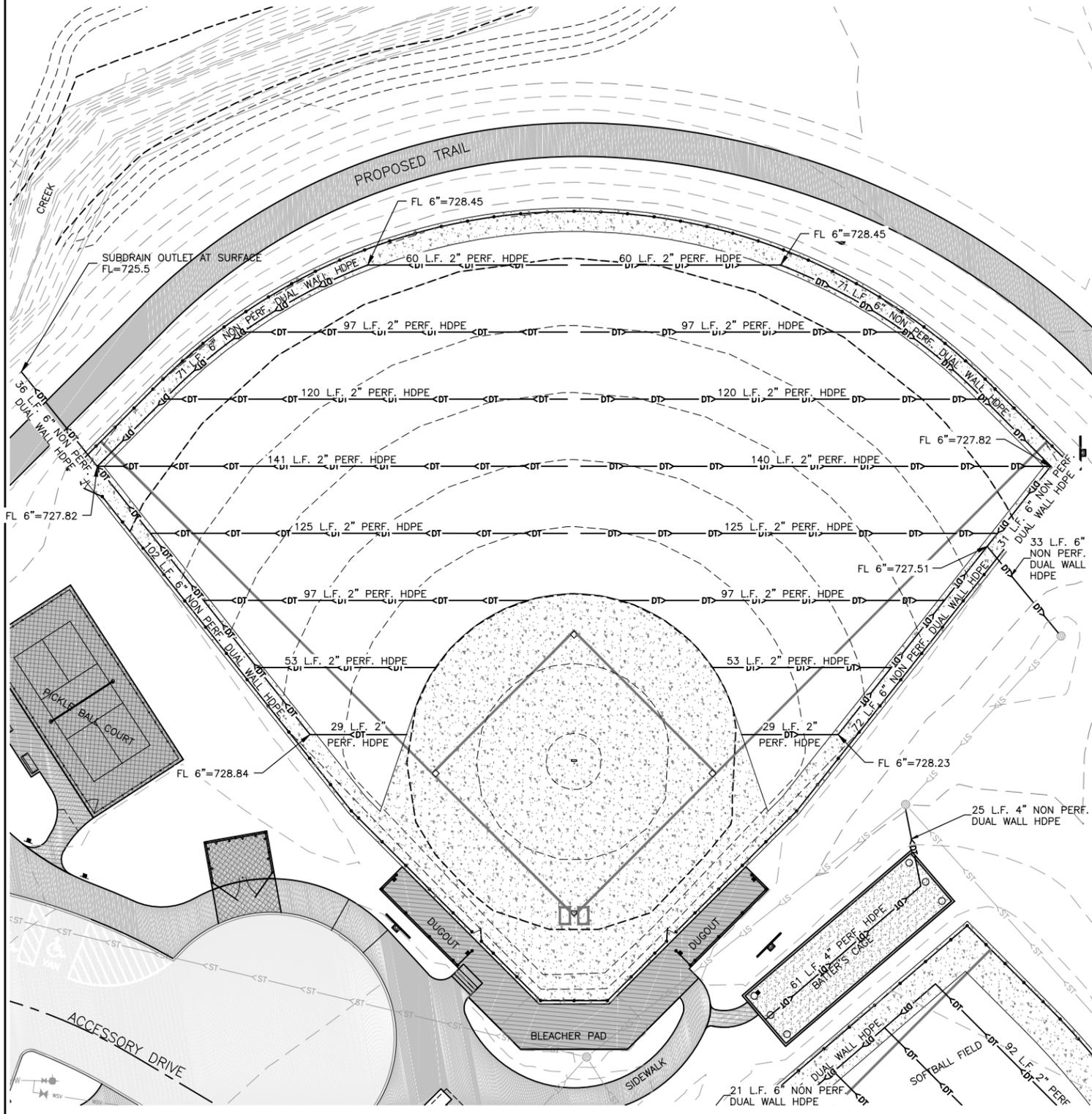
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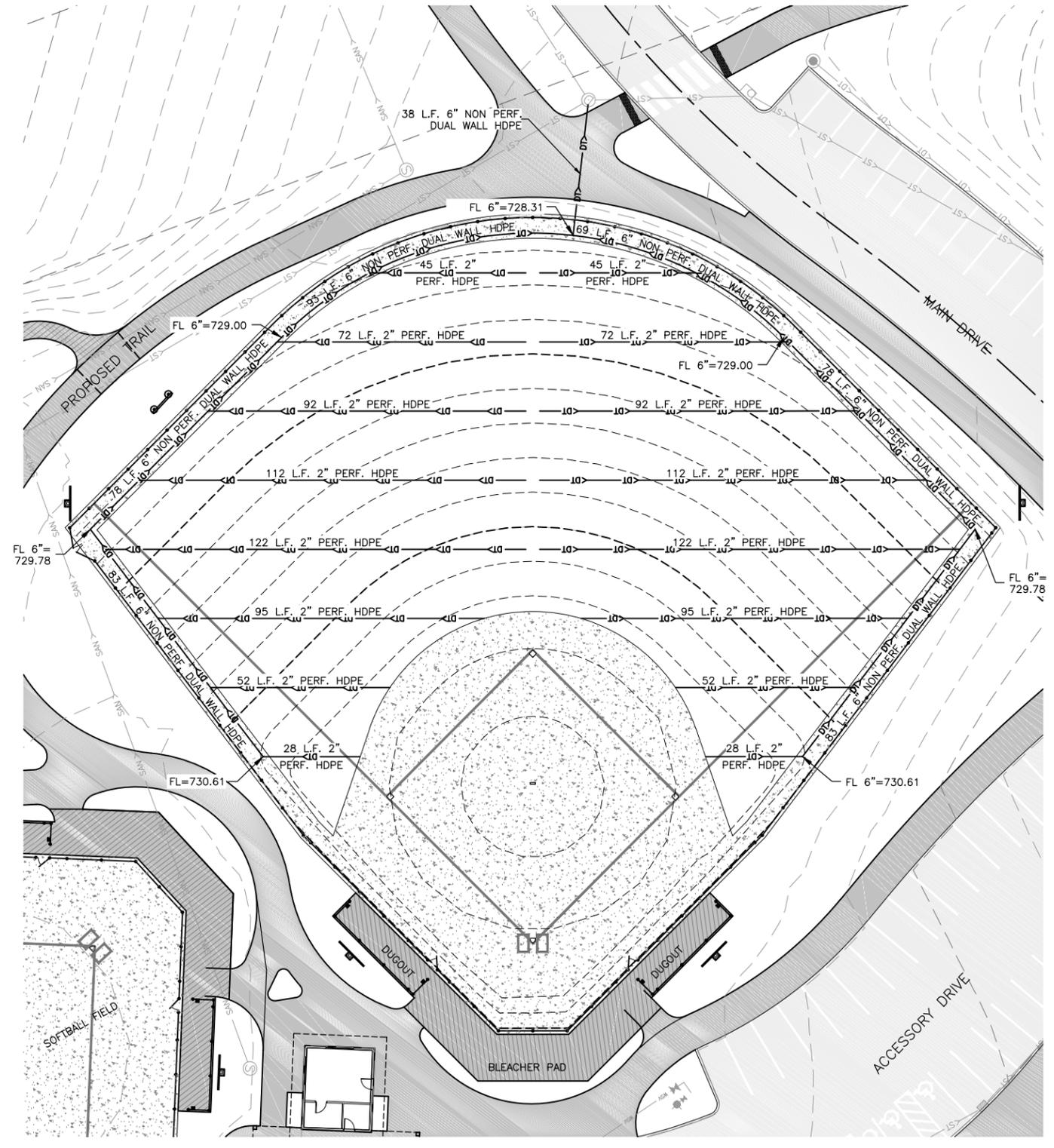
GENERAL NOTES:

1. CONTOURS WITHIN THE FIELD LIMITS ARE SHOWN AT 0.1' INTERVALS. ALL OTHER AREAS ARE SHOWN AT 1.0' INTERVALS.
2. BALL FIELDS ARE ROUGH GRADED AND TEMPORARILY SEEDED FROM PHASE 1.

20 0 20 40 60 FEET



LITTLE LEAGUE FIELD 1



LITTLE LEAGUE FIELD 2

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ILLINOIS
IOWA
WISCONSIN

OWNER/DEVELOPER:
CITY OF WEST BRANCH
110 NORTH POPLAR STREET
WEST BRANCH, IOWA 52358

PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: AJB
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
SUBDRAIN PLAN, LITTLE LEAGUE FIELDS

SET TYPE:
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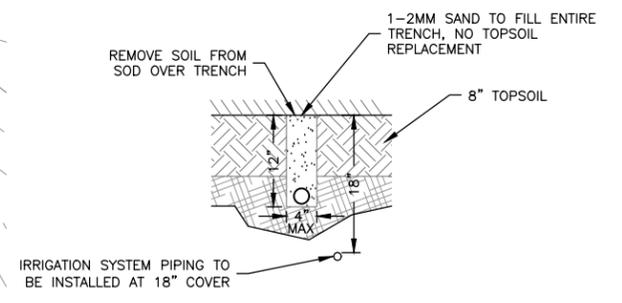
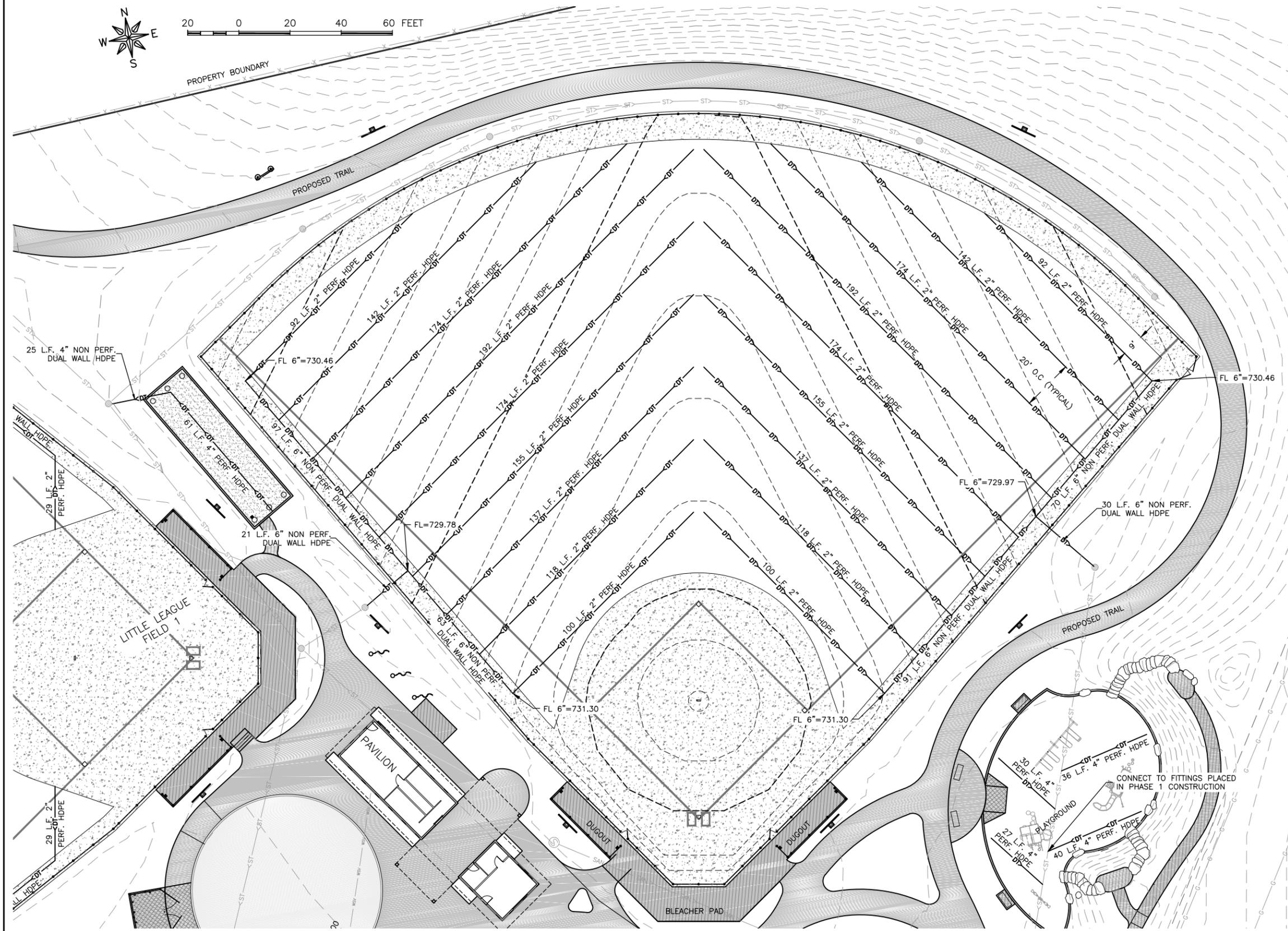
FOR BID

JOB NUMBER:
16-072

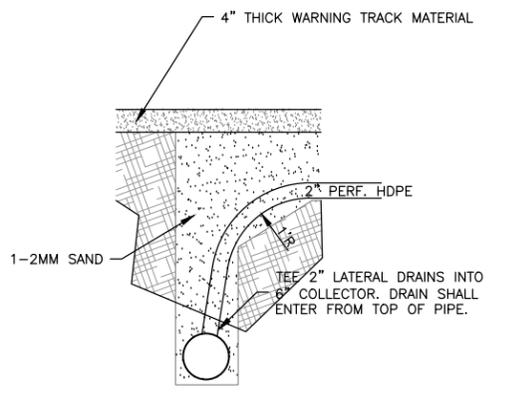
SHEET NUMBER:
H.05



20 0 20 40 60 FEET



H.06-1
2\"/>



H.06-2
6\"/>

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OWNER/DEVELOPER:
CITY OF WEST BRANCH
110 NORTH POPLAR STREET
WEST BRANCH, IOWA 52358

PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: AJB
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

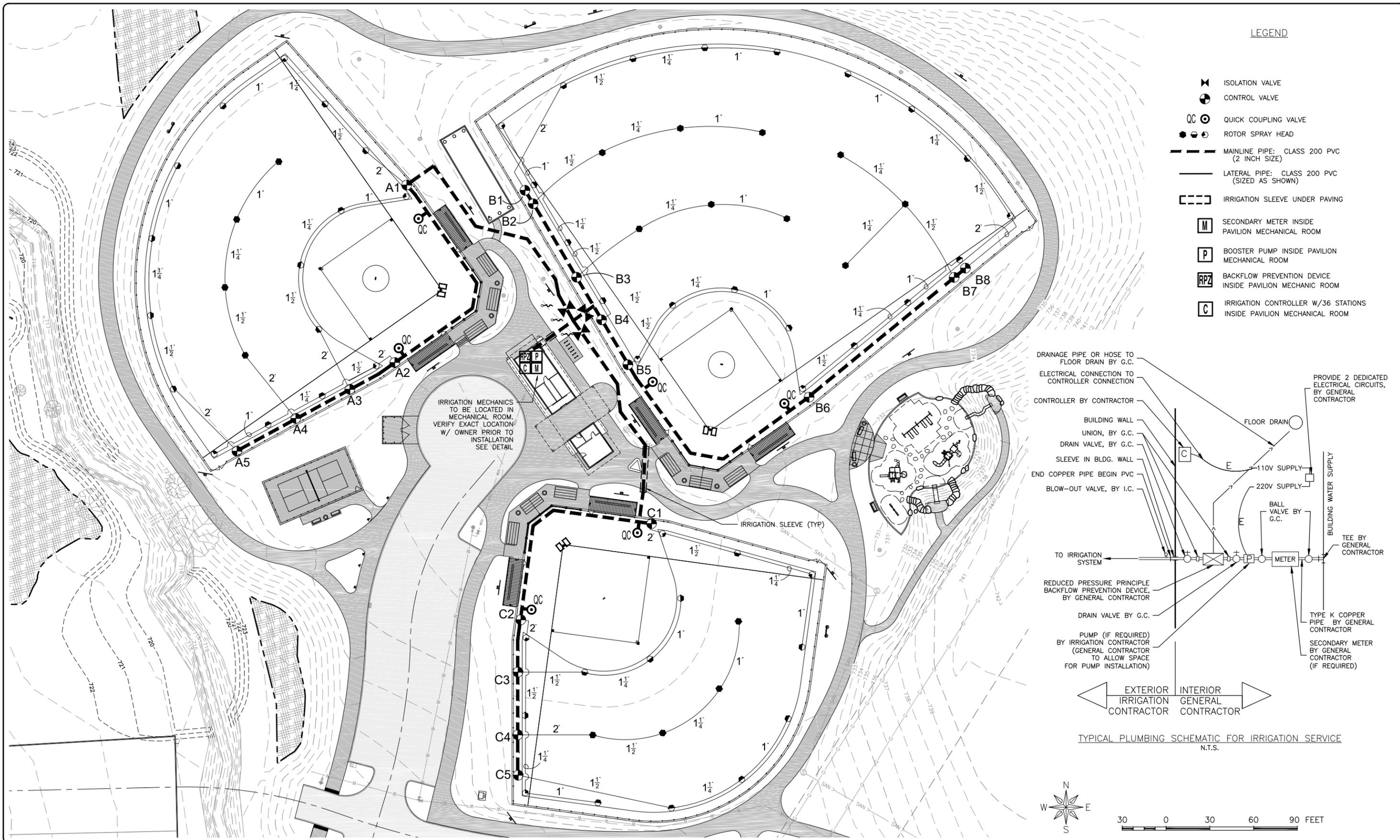
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
SUBDRAIN PLAN, SOFTBALL FIELD

SET TYPE: FOR BID

JOB NUMBER:
16-072

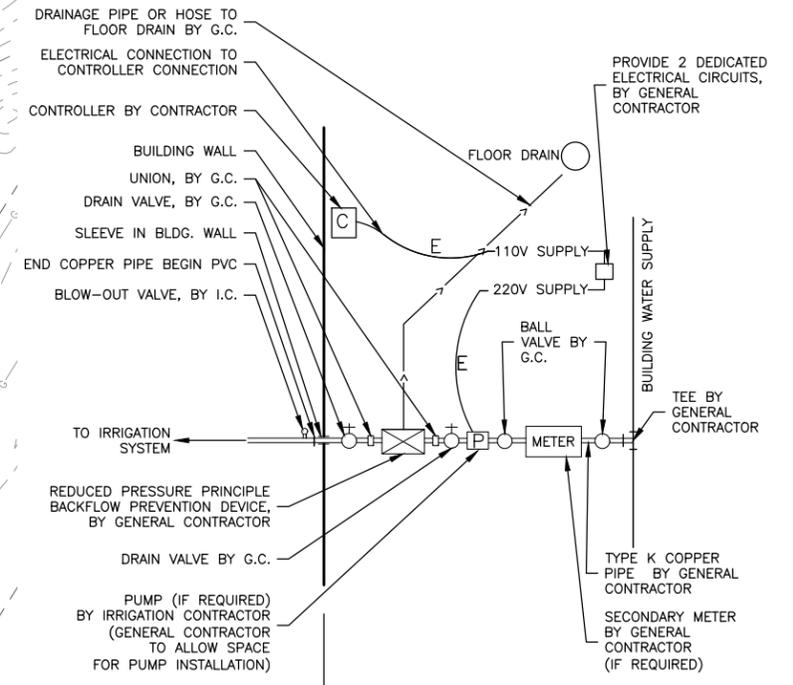
SHEET NUMBER:
H.06



LEGEND

- ISOLATION VALVE
- CONTROL VALVE
- QUICK COUPLING VALVE
- ROTOR SPRAY HEAD
- MAINLINE PIPE: CLASS 200 PVC (2 INCH SIZE)
- LATERAL PIPE: CLASS 200 PVC (SIZED AS SHOWN)
- IRRIGATION SLEEVE UNDER PAVING
- SECONDARY METER INSIDE PAVILION MECHANICAL ROOM
- BOOSTER PUMP INSIDE PAVILION MECHANICAL ROOM
- BACKFLOW PREVENTION DEVICE INSIDE PAVILION MECHANIC ROOM
- IRRIGATION CONTROLLER W/36 STATIONS INSIDE PAVILION MECHANICAL ROOM

IRRIGATION MECHANICS TO BE LOCATED IN MECHANICAL ROOM. VERIFY EXACT LOCATION W/ OWNER PRIOR TO INSTALLATION SEE DETAIL



EXTERIOR IRRIGATION CONTRACTOR INTERIOR GENERAL CONTRACTOR

TYPICAL PLUMBING SCHEMATIC FOR IRRIGATION SERVICE
N.T.S.



30 0 30 60 90 FEET

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-003525

ILLINOIS
IOWA
WISCONSIN

OWNER/DEVELOPER:
CITY OF WEST BRANCH
110 NORTH POPLAR STREET
WEST BRANCH, IOWA 52358

PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: DMS
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

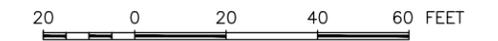
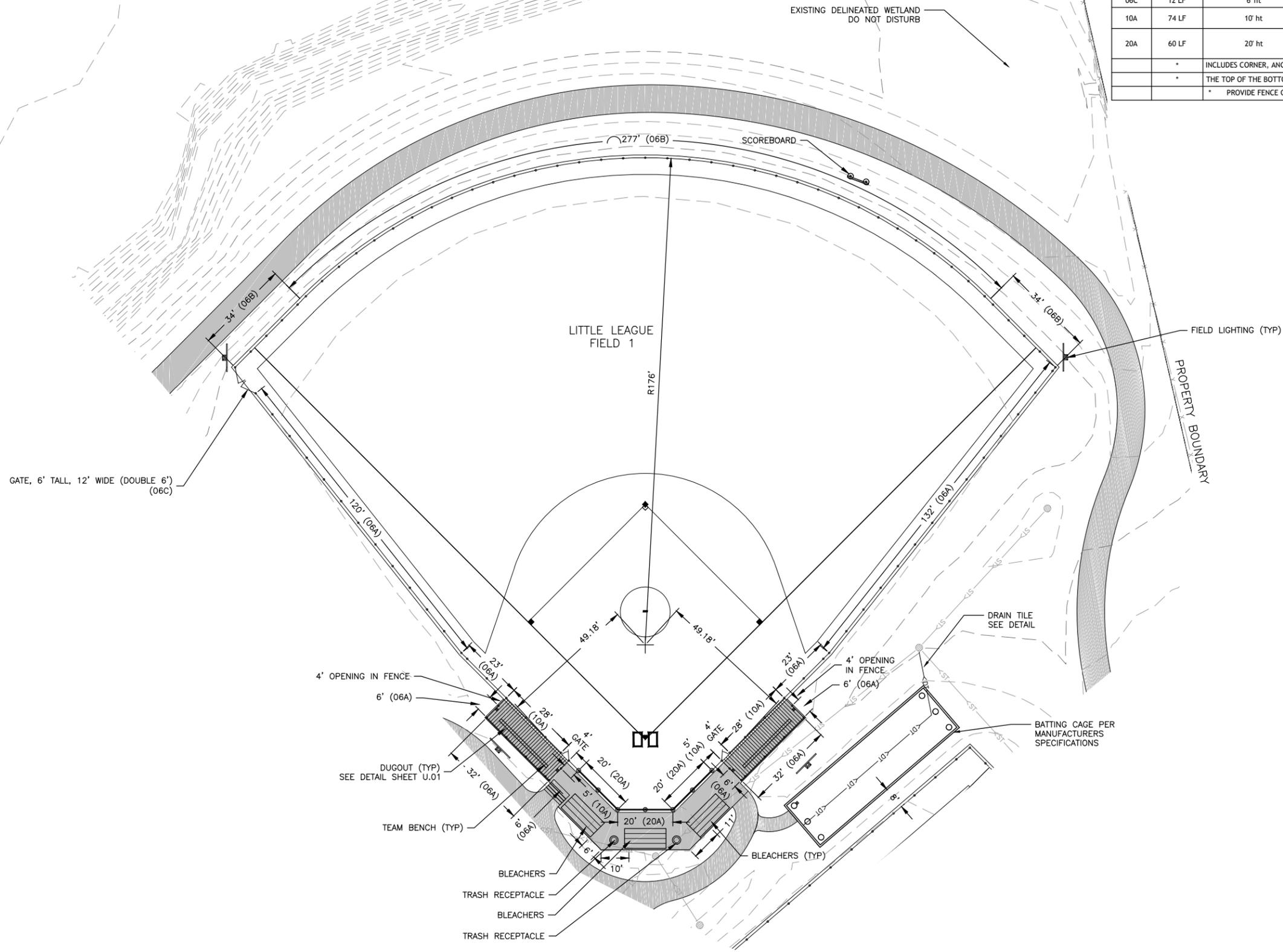
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
IRRIGATION PLAN
SET TYPE: FOR BID
G:\CD\16-072\Landscape\16-072 Landscape 2.dwg, IRRIGATION PLAN

JOB NUMBER:
16-072
SHEET NUMBER:
H.07

CHAIN LINK FENCING FOR SHEET H.08

KEY	QTY	SIZE	REMARKS
06A	386 LF	6' ht	NEW 6' TALL FENCING. 2-1/2" LINE POSTS, 3" TERMINAL* POSTS, AND 1 5/8" TOP RAILS. 10' POST SPACING
06B	345 LF	6' ht	NEW 6' TALL FENCING. 3" AND TERMINAL* POSTS, AND 1 5/8" TOP RAILS. 8' POST SPACING
06C	12 LF	6' ht	NEW 6' TALL GATE.
10A	74 LF	10' ht	NEW 10' TALL FENCING. 2-1/2" LINE POSTS, 3" TERMINAL* POSTS, AND 1 5/8" TOP RAILS, 1 5/8" MIDDLE & BOTTOM RAILS. 10' POST SPACING
20A	60 LF	20' ht	NEW 6' TALL FENCING. 3" AND TERMINAL* POSTS, AND 1 5/8" TOP RAILS. 8' SPACING 10A NEW 10' TALL FENCING. 2-1/2" LINE POSTS, 3" TERMINAL* POSTS, AND 1 5/8" TOP RAILS, 1 5/8" MIDDLE & BOTTOM RAILS. 10' POST SPACING
*			INCLUDES CORNER, ANGLE, END, AND PULL POSTS.
*			THE TOP OF THE BOTTOM RAIL ON 20' TALL FENCE SHALL BE FLUSH WITH THE TOP OF INFIELD MATERIAL.
*			PROVIDE FENCE CAP ALONG ENTIRE TOP OF OUTFIELD FENCE (345 LF)



FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-003525

ILLINOIS
IOWA
WISCONSIN

OWNER/DEVELOPER:
CITY OF WEST BRANCH
110 NORTH POPLAR STREET
WEST BRANCH, IOWA 52358

PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: DMS
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
FENCING PLAN, LITTLE LEAGUE FIELD 1 &
BATTING CAGE LAYOUT

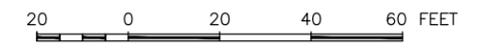
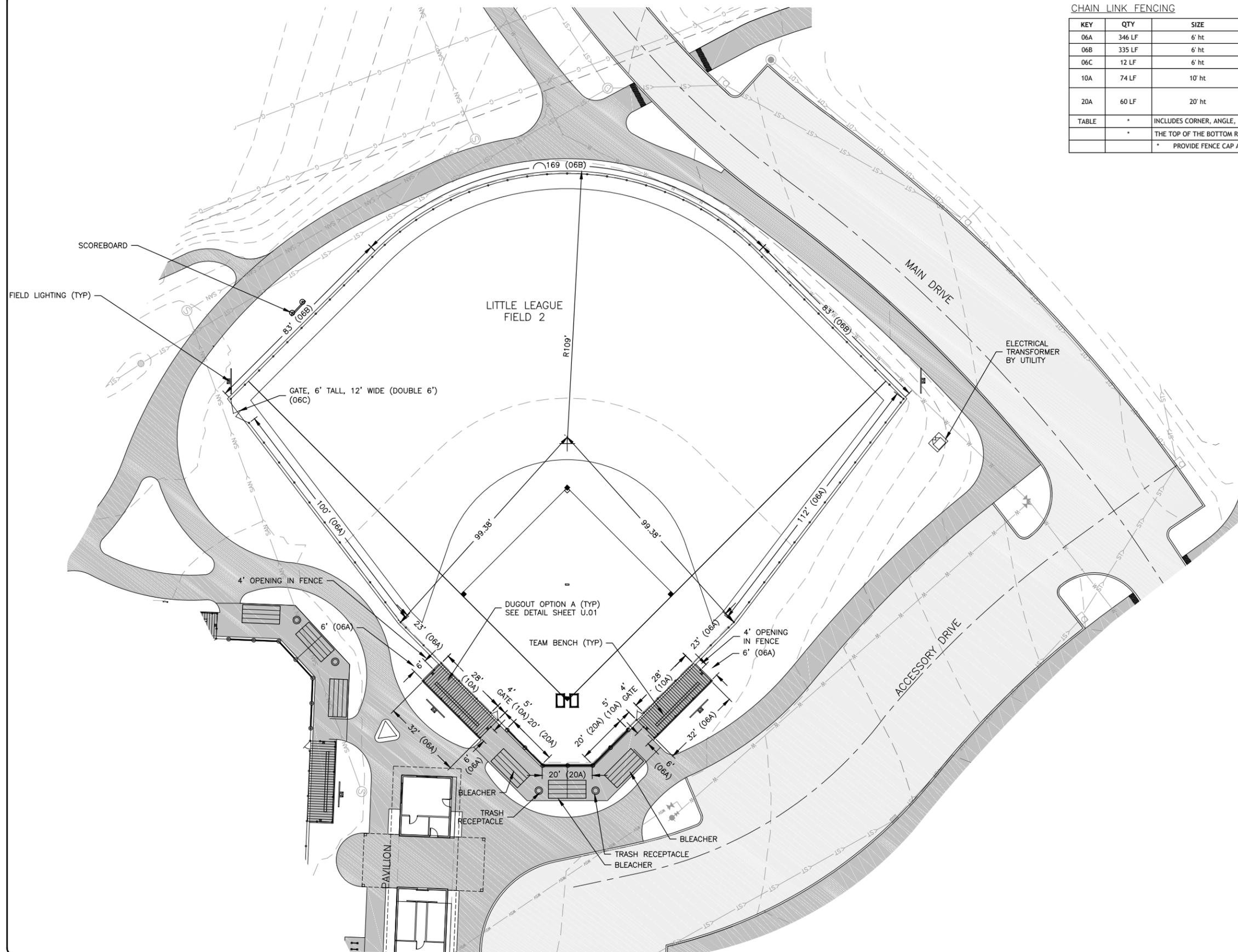
SET TYPE: FOR BID
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JOB NUMBER:
16-072

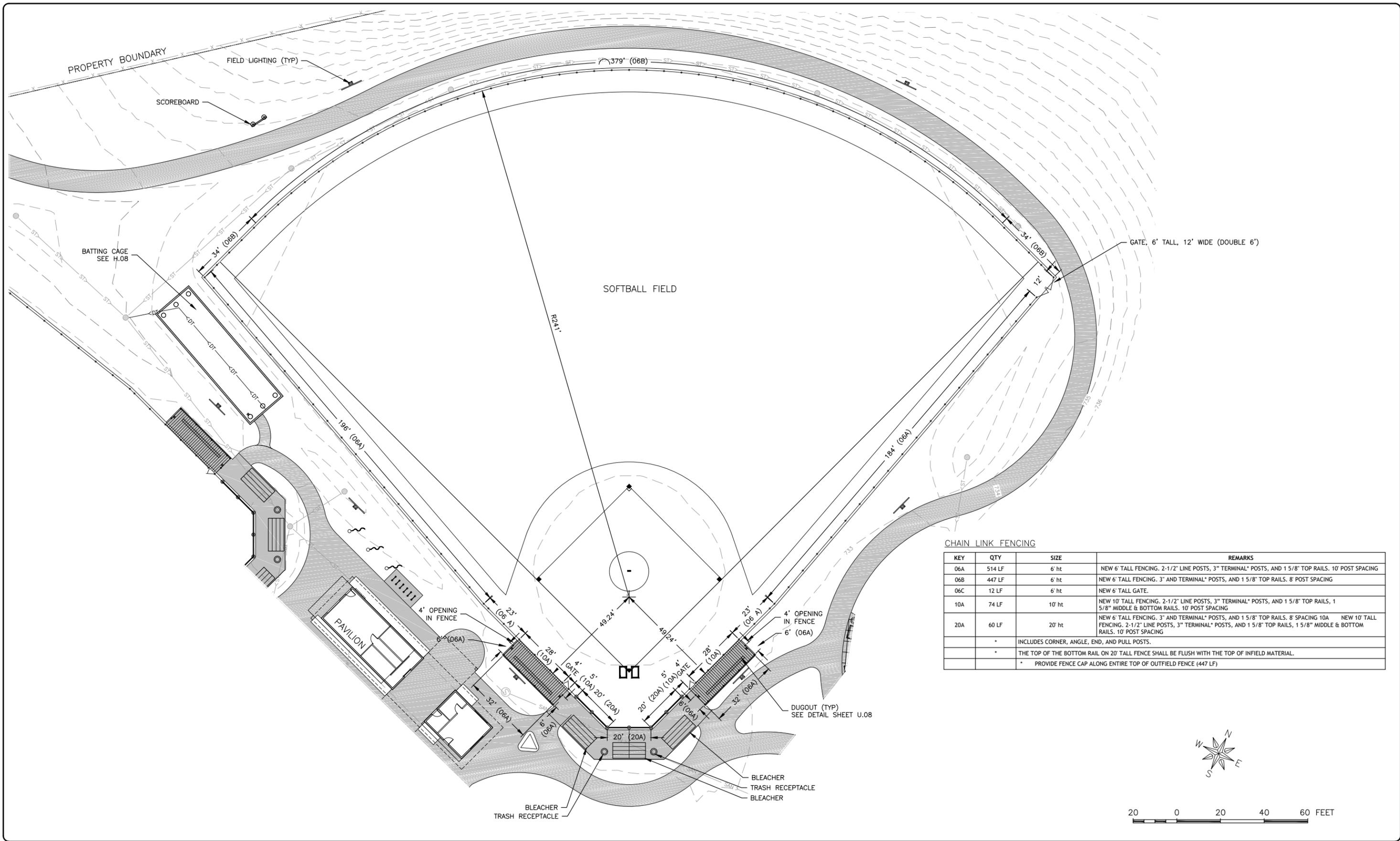
SHEET NUMBER:
H.08

CHAIN LINK FENCING

KEY	QTY	SIZE	REMARKS
06A	346 LF	6' ht	NEW 6' TALL FENCING. 2-1/2" LINE POSTS, 3" TERMINAL* POSTS, AND 1 5/8" TOP RAILS. 10' POST SPACING
06B	335 LF	6' ht	NEW 6' TALL FENCING. 3" AND TERMINAL* POSTS, AND 1 5/8" TOP RAILS. 8' POST SPACING
06C	12 LF	6' ht	NEW 6' TALL GATE.
10A	74 LF	10' ht	NEW 10' TALL FENCING. 2-1/2" LINE POSTS, 3" TERMINAL* POSTS, AND 1 5/8" TOP RAILS, 1 5/8" MIDDLE & BOTTOM RAILS. 10' POST SPACING
20A	60 LF	20' ht	NEW 6' TALL FENCING. 3" AND TERMINAL* POSTS, AND 1 5/8" TOP RAILS. 8' SPACING 10A NEW 10' TALL FENCING. 2-1/2" LINE POSTS, 3" TERMINAL* POSTS, AND 1 5/8" TOP RAILS, 1 5/8" MIDDLE & BOTTOM RAILS. 10' POST SPACING
TABLE	*		INCLUDES CORNER, ANGLE, END, AND PULL POSTS.
	*		THE TOP OF THE BOTTOM RAIL ON 20' TALL FENCE SHALL BE FLUSH WITH THE TOP OF INFIELD MATERIAL.
	*		PROVIDE FENCE CAP ALONG ENTIRE TOP OF OUTFIELD FENCE (334 LF)



REVISIONS		
REV. NO.	DESCRIPTION	DATE



FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
WISCONSIN

OWNER/DEVELOPER:
CITY OF WEST BRANCH
110 NORTH POPLAR STREET
WEST BRANCH, IOWA 52358

PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: DMS
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

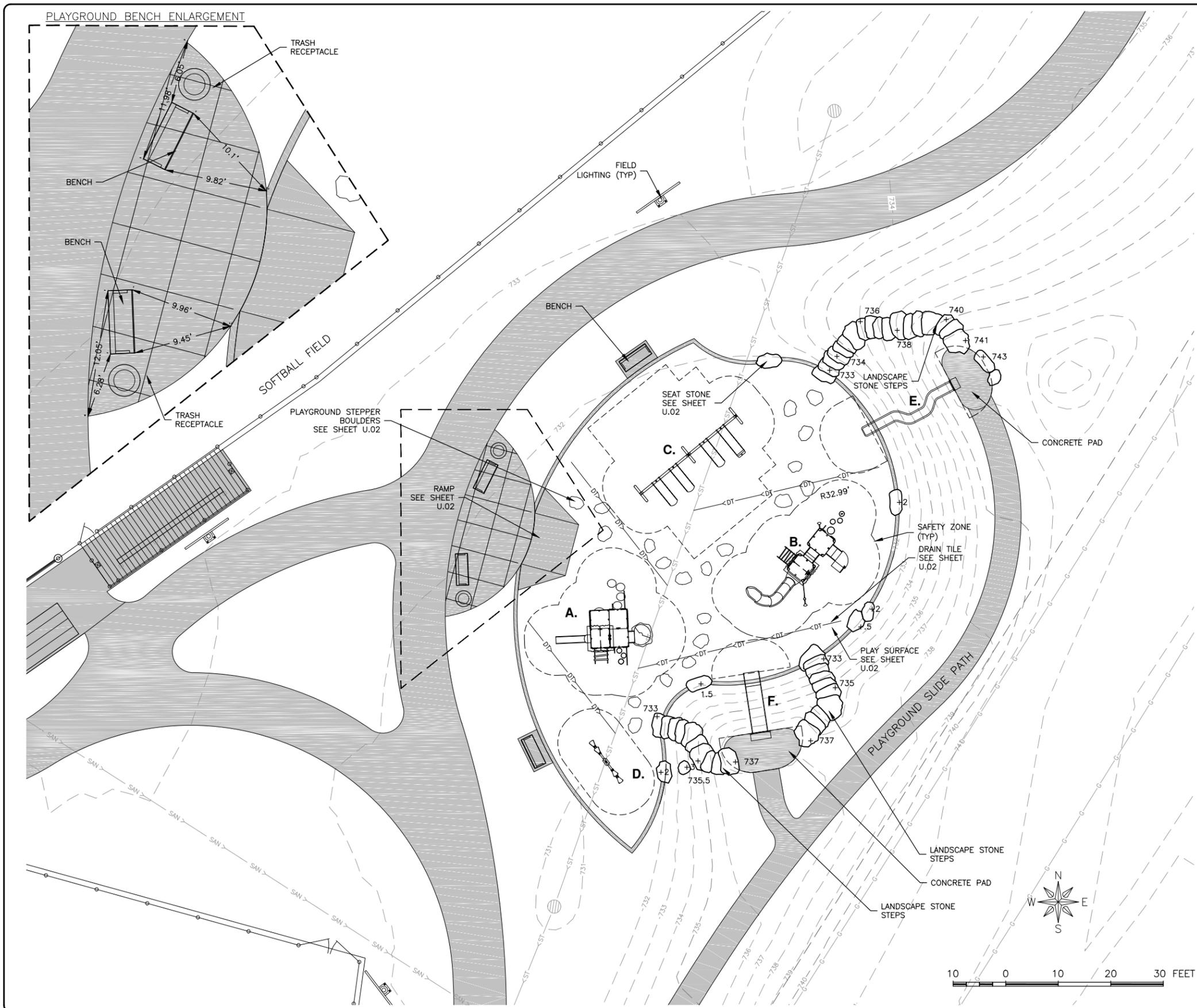
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
FENCING PLAN, SOFTBALL FIELD

SET TYPE: FOR BID
G:\(3D)\16-072\Landscape\16-072 Landscape 2.dwg, FENCING PLAN, SOFTBALL FIELD

JOB NUMBER:
16-072

SHEET NUMBER:
H.10



EQUIPMENT SCHEDULE				
KEY	MANUFACTURER	QTY.	MODEL	DESCRIPTION
A.	LANDSCAPE STRUCTURES, INC.	1	185861C	PLAYBOOSTER COMPONENTS: Log Stepper 32" Deck w/2 Recycled Wood-Grain Handholds 1 Handloop and 1 Handrail Right Handhold
		1	185863D	Mushroom Stepper 40"Deck w/2 Recycled Wood-Grain Handholds 1 Handloop and 1 Handrail DB Only Left Handhold
		1	185862C	Wood Plank Wiggle Ladder 48" Deck DB
		1	179349B	Kick Plate 16" Rise
		2	179349A	Kick Plate 8" Rise
		1	111239A	Square Deck Extension
		3	111237A	Square Tenderdeck
		1	173585A	Tree Stump Transfer Module 32" Deck DB Only
		1	111282A	Bubble Panel Above Deck
		1	111284A	Hole Panel
		1	124333A	Hourglass Panel Above Deck
		2	173586A	Recycled Wood-Grain Lumber Panel Above Deck
		1	211190D	Tree House Roof w/o Stack and w/o Kids Only sign
		1	133668A	Single Slide 48" Dk DB
		4	111397C	106" Post DB
		4	111396B	137" Post For Roof DB
1	111397D	98" Post DB		
1	182503A	Welcome sign Ages 2-5		
				COLORS: Posts - Leaf Green Deck - Brown Polyethylene - Limon Permalene - Tan
B.	LANDSCAPE STRUCTURES, INC.	1	169320B	Log Stepper 40" Deck w/2 Recycled Wood-Grain Handholds 1 Handloop DB Only Left Handhold
		1	169318E	Wood Plank Wiggle Ladder 64" Deck w/Recycled Wood-Grain Handholds DB
		1	152907B	Deck Link w/Barriers
		1	152911B	Steel end panels 2 Steps Curved Transfer Module Left 40" Dk DB
		2	111228A	Square Tenderdeck
		1	217909A	DigiFuse Barrier Panel Above Deck
		1	217911A	DigiFuse Periscope Panel above deck
		1	115254A	Storefront Panel
		1	127440A	Trail Tracker Reach Panel Ground Level
		1	111362A	Talk Tube 40" Tubing Kit PB
		2	111363A	Talk Tube At Grade Mounted DB Only
		1	211190D	Tree House Roof w/o Stack and w/o Kids Only sign
		1	124863E	SlideWinder2 64" Dk DB 1 Straight 2 Right
		2	111404E	116" Alum Post DB
		2	111404D	124" Alum Post DB
		4	111403B	174" Alum Post For Roof DB
1	111404I	84" Alum Post DB		
1	182503C	Welcome sign Ages 5-12		
				COLORS: Posts - Leaf Green Deck - Brown Polyethylene - Limon Permalene - Tan
C.	LANDSCAPE STRUCTURES, INC.	1	221292	Arch Swing Frame
		1	221293	Additional Bay
		1	177349	Full Bucket Seat
		3	174018	Slash Proof Belt Seat
				COLORS: Posts - Leaf Green
D.	LANDSCAPE STRUCTURES, INC.	1	148637A	4 Seat See Saw DB
				COLORS: Posts - Leaf Green
E.	COLUMBIA CASCADE COMPANY	1	1650-103-01-EMB	TIMBERFORM EMBANKMENT CURVED SLIDE CHUTE
F.	COLUMBIA CASCADE COMPANY	1	1643-51-EMB	TIMBERFORM EMBANKMENT WIDE SLIDE CHUTE

NOTE: CONTRACTOR SHALL STAKE LOCATIONS PRIOR TO INSTALLATION. NOTIFY CIVIL ENGINEER/LANDSCAPE ARCHITECT MINIMUM 48 HOURS PRIOR TO INTENDED INSTALLATION FOR APPROVAL.

NOTE: SEE SHEET E.06 FOR BEAM CURB & SIDEWALK ALIGNMENT & GRADES.

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-003525

ILLINOIS
IOWA
WISCONSIN

OWNER/DEVELOPER:
CITY OF WEST BRANCH
110 NORTH POPLAR STREET
WEST BRANCH, IOWA 52358

PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: DMS
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

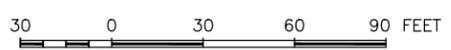
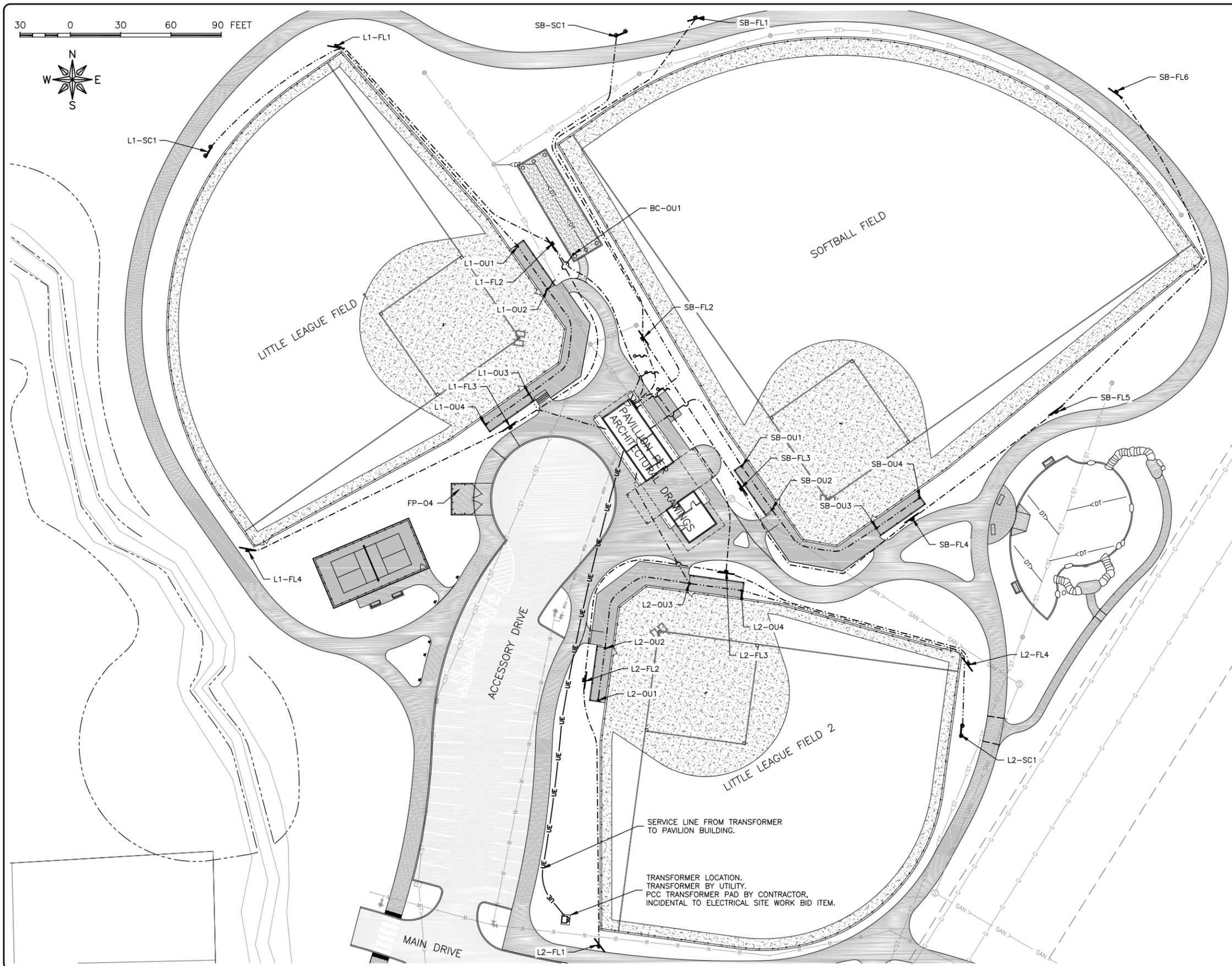
DRAWING:
PLAYGROUND PLAN

SET TYPE: FOR BID

G:\CSD\16-072\Landsc\16-072 Landscape 2.dwg, PLAYGROUND PLAN

JOB NUMBER:
16-072

SHEET NUMBER:
1.01



- GENERAL ELECTRICAL NOTES:**
1. SCHEMATIC SHOWN IS IN GENERAL.
 2. ALL MATERIALS, EQUIPMENT, AND WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ELECTRICAL CODE, LOCAL BUILDING CODES, AND UTILITY REGULATIONS.
 3. ALL MATERIAL SHALL BE NEW
 4. SERVICE LINE FROM TRANSFORMER TO BUILDING SHALL BE A 600 AMP, 480VOLT, THREE PHASE SERVICE.
 5. ELECTRICAL DISTRIBUTION FROM THE SERVICE TO THE FIELD LIGHTING CONTROL SYSTEM SHALL BE PER FIELD LIGHTING MANUFACTURER'S SPECIFICATIONS AND IS INCIDENTAL TO THE FIELD LIGHTING CONTROL SYSTEM BID ITEM. ELECTRICAL DISTRIBUTION FROM THE SERVICE TO THE PAVILION ELECTRICAL, AND ANY REQUIRED STEP DOWN, IS INCIDENTAL TO THE PAVILION BUILDING AND APPURTENANCES BID ITEM. REFER TO ARCHITECTURAL PLANS FOR PAVILION BUILDING ELECTRICAL.
 6. CONTRACTOR SHALL SUBMIT SCHEMATIC SHOWING CONDUIT CONFIGURATION FOR APPROVAL IF VARYING FROM THIS SCHEMATIC. ALL CONDUIT BELOW GRADE SHALL BE NON-METALLIC.
 7. CONTRACTOR SHALL SUBMIT CONFIGURATION OF ALL ELECTRICAL PANELS AS THEY WILL BE INSTALLED IN/ON THE BUILDING FOR APPROVAL.
 8. ALL ELECTRICAL WITHIN THE PAVILION BUILDING INCLUDING EXTERNAL OUTLETS MOUNTED TO THE PAVILION SHALL BE PER PAVILION PLANS
 9. CIRCUITS NOTED ARE ONLY INTENDED TO INDICATE DIVISION AND IS NOT INTENDED FOR ACTUAL CIRCUIT IDENTIFICATION.

- FIELD LIGHTING NOTES:**
1. ALL FIELD LIGHTING SHALL BE IN COMPLIANCE WITH MANUFACTURER'S REQUIREMENTS, FINAL POLE CONFIGURATION PER MANUFACTURER BASED ON LIGHTING BID OPTION SELECTED. POLE IDENTIFICATION SHOWN THIS SHEET MAY NOT MATCH LIGHTING MANUFACTURER'S POLE IDENTIFICATION.
 2. EACH FIELD'S LIGHTING SHALL OPERATE INDEPENDENT TO THE OTHER FIELDS
 3. FIELD LIGHTING CONTROL PANEL SHALL BE MOUNTED TO EXTERIOR OF PROPOSED PAVILION. CONTROL PANEL SHALL BE WEATHER PROOF AND SECURED WITH CODE OR PADLOCK ENTRY. LIGHTING OPERATION SHALL BE SWITCH CONTROLLED. REMOTE ACCESS IS NOT REQUIRED.
 4. SCORE BOARD SWITCH PANEL SHALL BE MOUNTED TO EXTERIOR OF PROPOSED PAVILION ADJACENT TO FIELD LIGHTING CONTROL PANEL. SWITCH PANEL SHALL BE WEATHER PROOF AND SECURED WITH CODE OR PADLOCK ENTRY. EACH SCOREBOARD SHALL BE OPERATED BY AN INDEPENDENT SWITCH.

##-##-##

GENERAL LOCATION	TYPE	INCREMENT
L1 LITTLE LEAGUE FIELD 1	FL FIELD LIGHTING	
L2 LITTLE LEAGUE FIELD 2	OU OUTLET	
SB SOFTBALL FIELD	SC SCOREBOARD	
FP FLAG POLES		
BC BATTING CAGE		

SCOREBOARD TABULATION

CODE	DESCRIPTION	CIRCUIT	REMARKS
L1-SC1	DIRECT CONNECTION	1	
L2-SC2	DIRECT CONNECTION	1	
SB-SC1	DIRECT CONNECTION	1	

OUTLET TABULATION

CODE	DESCRIPTION	CIRCUIT	REMARKS
L1-OU1	DUPLEX, 15A	2	
L1-OU2	DUPLEX, 15A	2	
L1-OU3	DUPLEX, 15A	2	
L1-OU4	DUPLEX, 15A	2	
L2-OU1	DUPLEX, 15A	3	
L2-OU2	DUPLEX, 15A	3	
L2-OU3	DUPLEX, 15A	3	
L2-OU4	DUPLEX, 15A	3	
SB-OU1	DUPLEX, 15A	4	
SB-OU2	DUPLEX, 15A	4	
SB-OU3	DUPLEX, 15A	4	
SB-OU4	DUPLEX, 15A	4	
FP-OU1	DUPLEX, 15A	5	
BC-OU1	DUPLEX, 15A	2	

CIRCUIT INFORMATION

CIRCUIT	PROTECTED LOAD (AMPS, MINIMUM)	REMARKS
1	15A	
2	20A	
3	20A	
4	20A	
5	15A	

- ELECTRICAL LEGEND**
- FIELD LIGHTING POLE
 - OUTLET
 - SCOREBOARD
 - UE— ELECTRICAL SERVICE
 - - - - - ELECTRICAL LINE (PER SITE WORK)
 - · · · · ELECTRICAL LINE (PER FIELD LIGHTING)

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
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WEST BRANCH, IOWA 52358

PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: AJB
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

REVISIONS

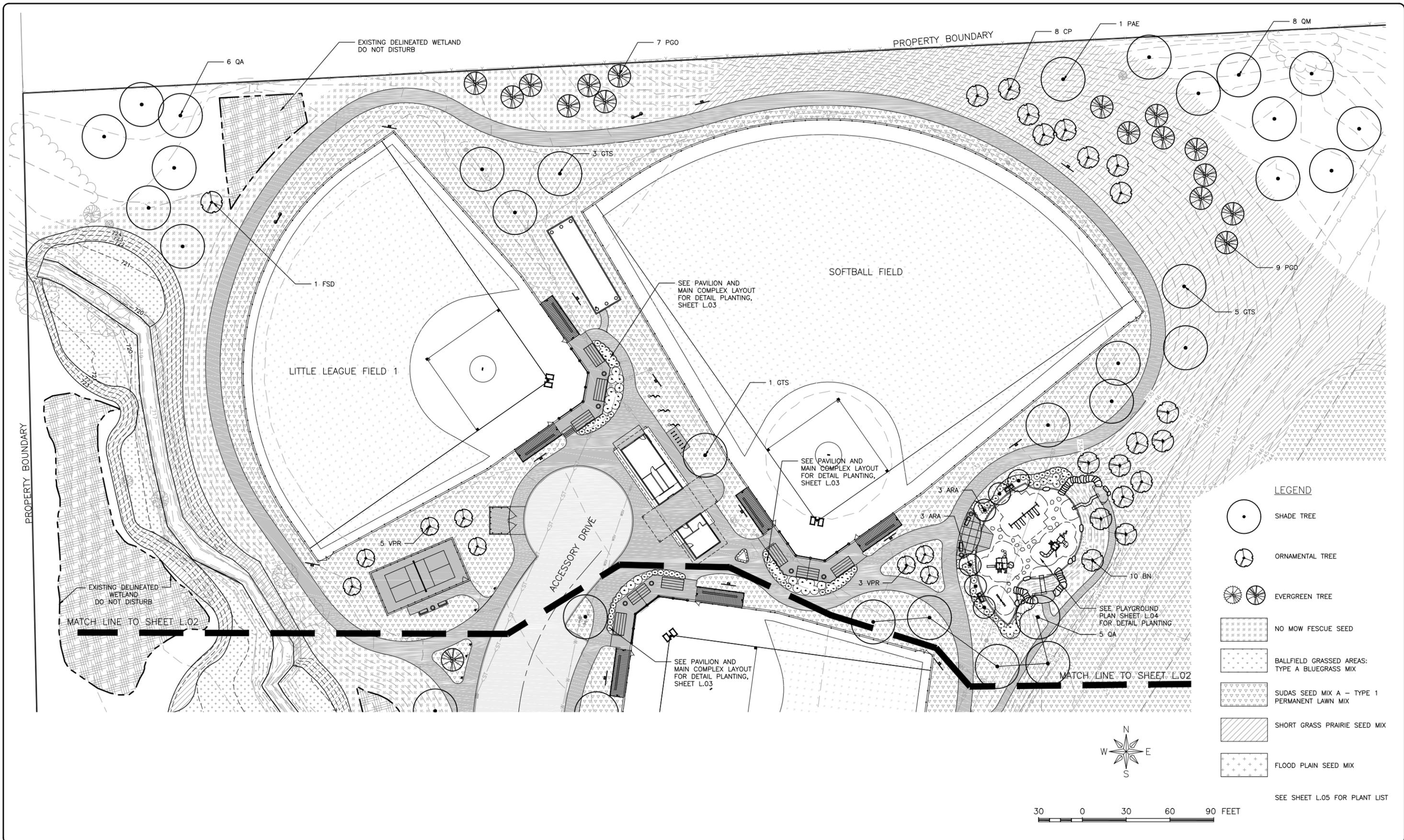
REV. NO.	DESCRIPTION	DATE

DRAWING:
ELECTRICAL SITE WORK SCHEMATIC

SET TYPE: FOR BID
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JOB NUMBER:
16-072

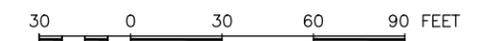
SHEET NUMBER:
K.01



LEGEND

- SHADE TREE
- ORNAMENTAL TREE
- EVERGREEN TREE
- NO MOW FESCUE SEED
- BALLFIELD GRASSED AREAS: TYPE A BLUEGRASS MIX
- SUDAS SEED MIX A - TYPE 1 PERMANENT LAWN MIX
- SHORT GRASS PRAIRIE SEED MIX
- FLOOD PLAIN SEED MIX

SEE SHEET L.05 FOR PLANT LIST



FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-003525

ILLINOIS
IOWA
WISCONSIN

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110 NORTH POPLAR STREET
WEST BRANCH, IOWA 52358

PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: DMS
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

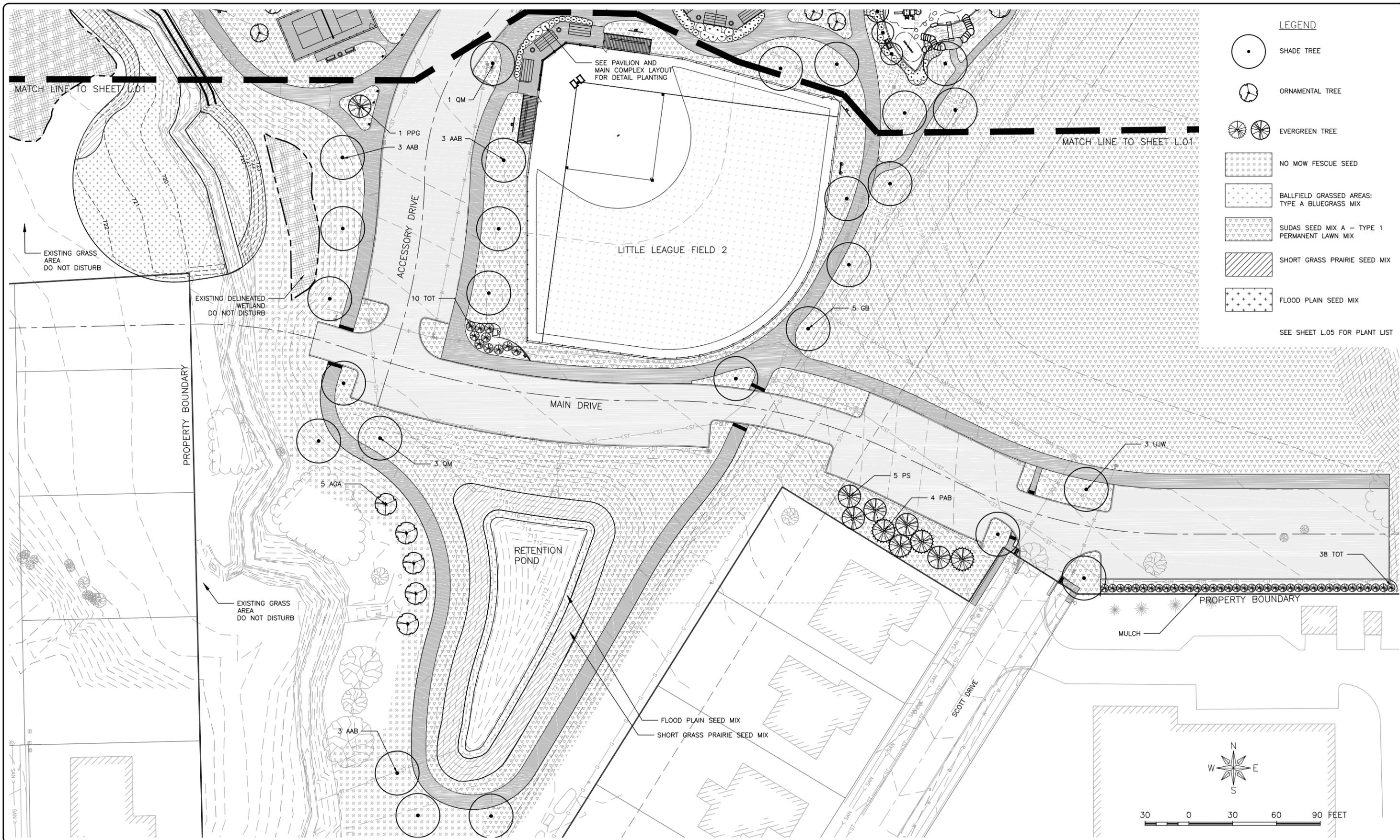
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LANDSCAPE PLAN
NORTH

SET TYPE: FOR BID

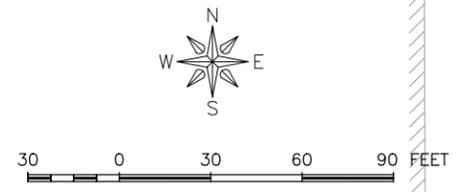
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JOB NUMBER:
16-072

SHEET NUMBER:
L.01



- LEGEND**
- SHADE TREE
 - ORNAMENTAL TREE
 - EVERGREEN TREE
 - NO MOW FESCUE SEED
 - BALLFIELD GRASSED AREAS: TYPE A BLUEGRASS MIX
 - SUDAS SEED MIX A - TYPE 1 PERMANENT LAWN MIX
 - SHORT GRASS PRAIRIE SEED MIX
 - FLOOD PLAIN SEED MIX
- SEE SHEET L.05 FOR PLANT LIST



FEHR GRAHAM
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110 NORTH POPLAR STREET
WEST BRANCH, IOWA 52358

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PHASE 2
WEST BRANCH, IOWA

DRAWN BY: DMS
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
LANDSCAPE PLAN
SOUTH

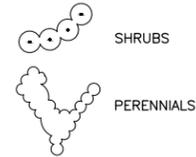
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JOB NUMBER:
16-072

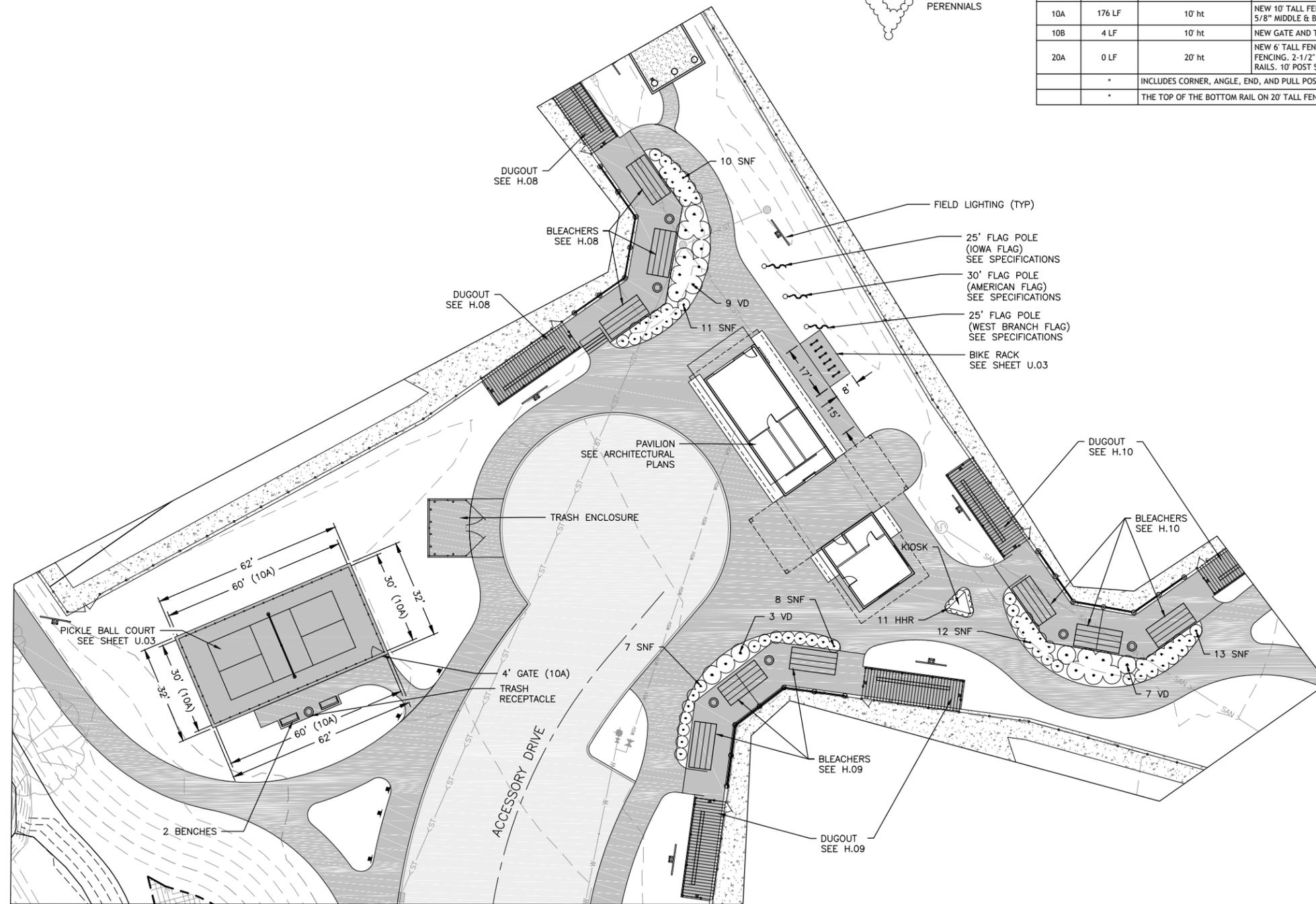
SHEET NUMBER:
L.02

LEGEND



CHAIN LINK FENCING FOR SHEET L.03

KEY	LF	SIZE	REMARKS
06A	0 LF	6' ht	NEW 6' TALL FENCING. 2-1/2" LINE POSTS, 3" TERMINAL* POSTS, AND 1 5/8" TOP RAILS. 10' POST SPACING
06B	0 LF	6' ht	NEW 6' TALL FENCING. 3" AND TERMINAL* POSTS, AND 1 5/8" TOP RAILS. 8' POST SPACING
06C	0 LF	6' ht	NEW 6' TALL GATE.
10A	176 LF	10' ht	NEW 10' TALL FENCING. 2-1/2" LINE POSTS, 3" TERMINAL* POSTS, AND 1 5/8" TOP RAILS, 1 5/8" MIDDLE & BOTTOM RAILS. 10' POST SPACING
10B	4 LF	10' ht	NEW GATE AND TRANSUM IN 10' TALL FENCING.
20A	0 LF	20' ht	NEW 6' TALL FENCING. 3" AND TERMINAL* POSTS, AND 1 5/8" TOP RAILS. 8' SPACING 10A NEW 10' TALL FENCING. 2-1/2" LINE POSTS, 3" TERMINAL* POSTS, AND 1 5/8" TOP RAILS, 1 5/8" MIDDLE & BOTTOM RAILS. 10' POST SPACING
*			INCLUDES CORNER, ANGLE, END, AND PULL POSTS.
*			THE TOP OF THE BOTTOM RAIL ON 20' TALL FENCE SHALL BE FLUSH WITH THE TOP OF INFIELD MATERIAL.



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WEST BRANCH, IOWA

DRAWN BY: DMS
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
PAVILION AND MAIN COMPLEX LAYOUT

SET TYPE: FOR BID
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JOB NUMBER:
16-072

SHEET NUMBER:
L.03

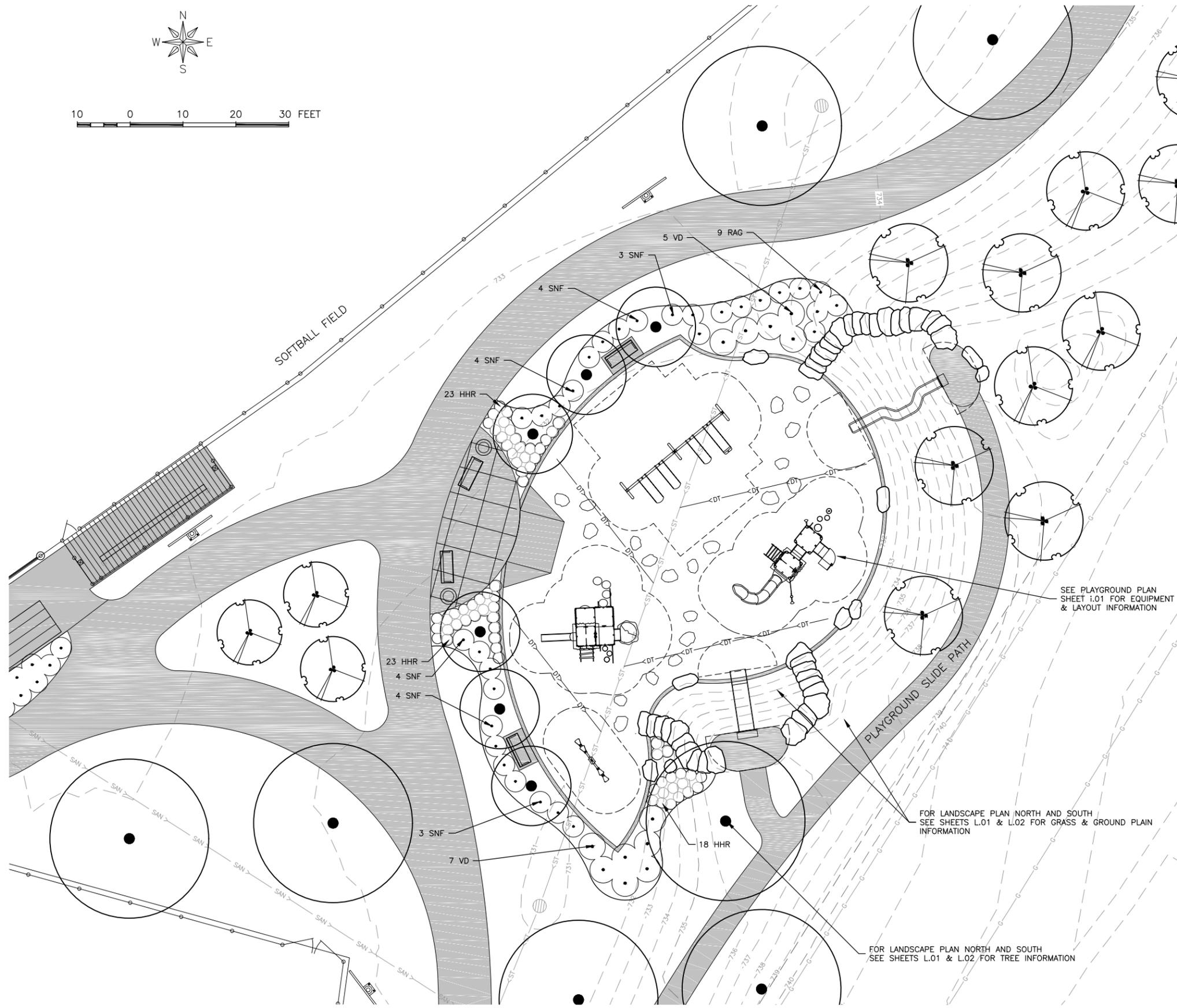


10 0 10 20 30 FEET

LEGEND

- SHADE TREE
- ORNAMENTAL TREE
- EVERGREEN TREE
- SHRUBS
- PERENNIALS

* SEE SHEET L.05 FOR PLANT LIST AND DETAILS.



SEE PLAYGROUND PLAN SHEET i.01 FOR EQUIPMENT & LAYOUT INFORMATION

FOR LANDSCAPE PLAN NORTH AND SOUTH SEE SHEETS L.01 & L.02 FOR GRASS & GROUND PLAIN INFORMATION

FOR LANDSCAPE PLAN NORTH AND SOUTH SEE SHEETS L.01 & L.02 FOR TREE INFORMATION

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-003525

ILLINOIS
IOWA
WISCONSIN

OWNER/DEVELOPER:
CITY OF WEST BRANCH
110 NORTH POPLAR STREET
WEST BRANCH, IOWA 52358

PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

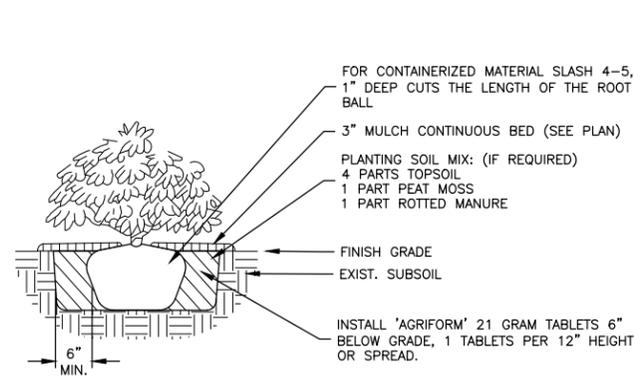
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APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

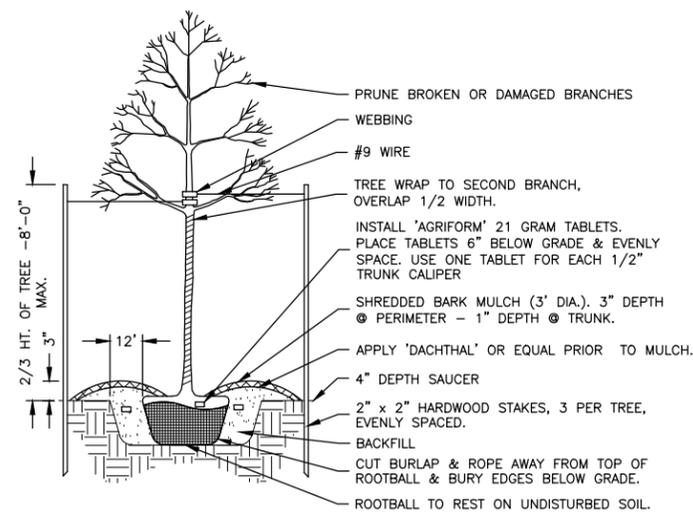
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PLAYGROUND LANDSCAPE PLAN
SET TYPE: FOR BID
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JOB NUMBER:
16-072
SHEET NUMBER:
L.04

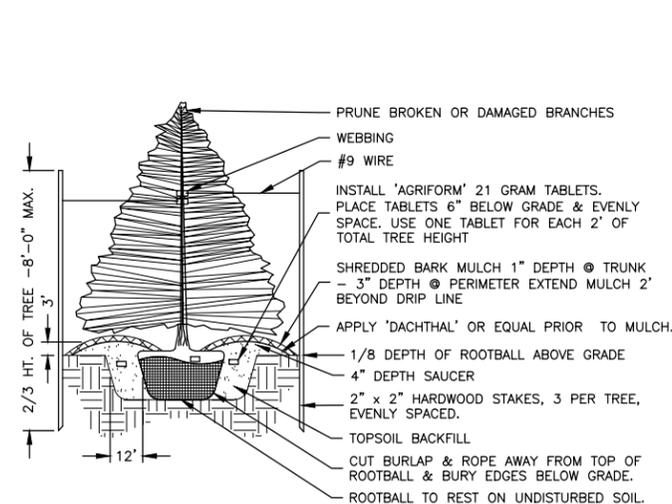
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
SHADE TREES/ORNAMENTAL TREES					
AAB	9	Acer x freemanii 'Autumn Blaze'	AUTUMN BLAZE FREEMAN MAPLE	3" CALP	
AGA	5	Alnus glutinosa	EUROPEAN BLACK ALDER	6' HT.	MULTI-STEM
ARA	3	Acer x freemanii 'Armstrong'	ARMSTRONG COLUMNAR MAPLE	3" CALP	
BN	10	Betula nigra	RIVER BIRCH	10' HT.	MULTI-STEM
CP	8	Crataegus phaenopyrum	WASHINGTON HAWTHORN	6' HT.	MULTI-STEM
FSD	1	Fagus sylvatica 'Dawyck Purple'	DAWYCK PURPLE BEECH	3" CALP	LOW BRANCHED
GB	5	Ginkgo biloba	MAIDENHAIR TREE	3" CALP	
GTS	9	Gleditsia triacanthos 'Skyline'	SKYLINE HONEYLOCUST	3" CALP	
PAB	4	Picea abies	NORWAY SPRUCE	6' HT.	UNSHEARED
PAE	1	Platanus x acerifolia	LONDON PLANETREE	3" CALP	
PGO	16	Picea glauca var. densata	BLACK HILLS SPRUCE	8' HT.	
PPG	1	Picea pungens 'Glauca'	COLORADO BLUE SPRUCE	8' HT.	
PS	5	Pinus strobus	WHITE PINE	7' HT.	UNSHEARED
QA	11	Quercus alba	WHITE OAK	3" CALP	
QM	12	Quercus Macrocarpa	BUR OAK	3" CALP	
UJW	3	Ulmus japonica x wilsoniana 'Morton'	ACCOLADE ELM	3" CALP	
VPR	8	Viburnum prunifolium	BLACK HAW VIBURNUM	4' HT.	
SHRUBS/PERENNIALS					
HHR	75	Hemerocallis 'Happy Returns'	HAPPY RETURNS DAYLILY	1 GAL.	2' O.C.
RAG	14	Rhus aromatica 'Gro-Low'	GRO-LOW FRAGRANT SUMAC	18"	
SNF	78	Spiraea japonica 'Neon Flash'	NEON FLASH SPIREA	18"	
TOT	48	Thuja occidentalis 'Techny'	MISSION STRAIN ARBORVITAE	5'	
VD	31	Viburnum dentatum	ARROWWOOD VIBURNUM	36"	



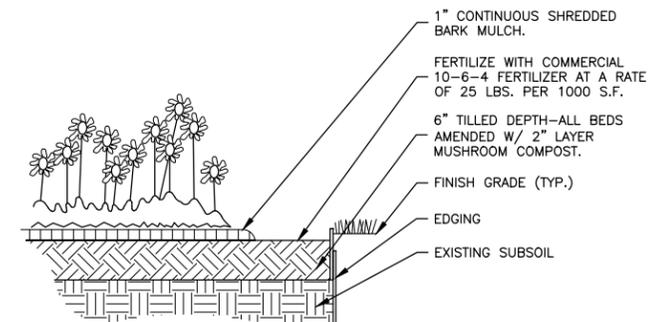
SHRUB PLANTING DETAIL
N.T.S.



PLANTING DETAIL
N.T.S.



EVERGREEN TREE PLANTING DETAIL
N.T.S.



PERENNIAL/GROUNDCOVER PLANTING
N.T.S.

FEHR GRAHAM

DETAILS

ENGINEERING & ENVIRONMENTAL

ILLINOIS DESIGN FIRM NO. 184-003525

PLOT DATE: 11/14/17

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OWNER/DEVELOPER:

CITY OF WEST BRANCH
110 NORTH POPLAR STREET
WEST BRANCH, IOWA 52358

PROJECT AND LOCATION:

CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: DMS
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

REVISIONS

REV. NO.	DESCRIPTION	DATE

DRAWING:

PLANT LIST AND DETAILS

SET TYPE: FOR BID

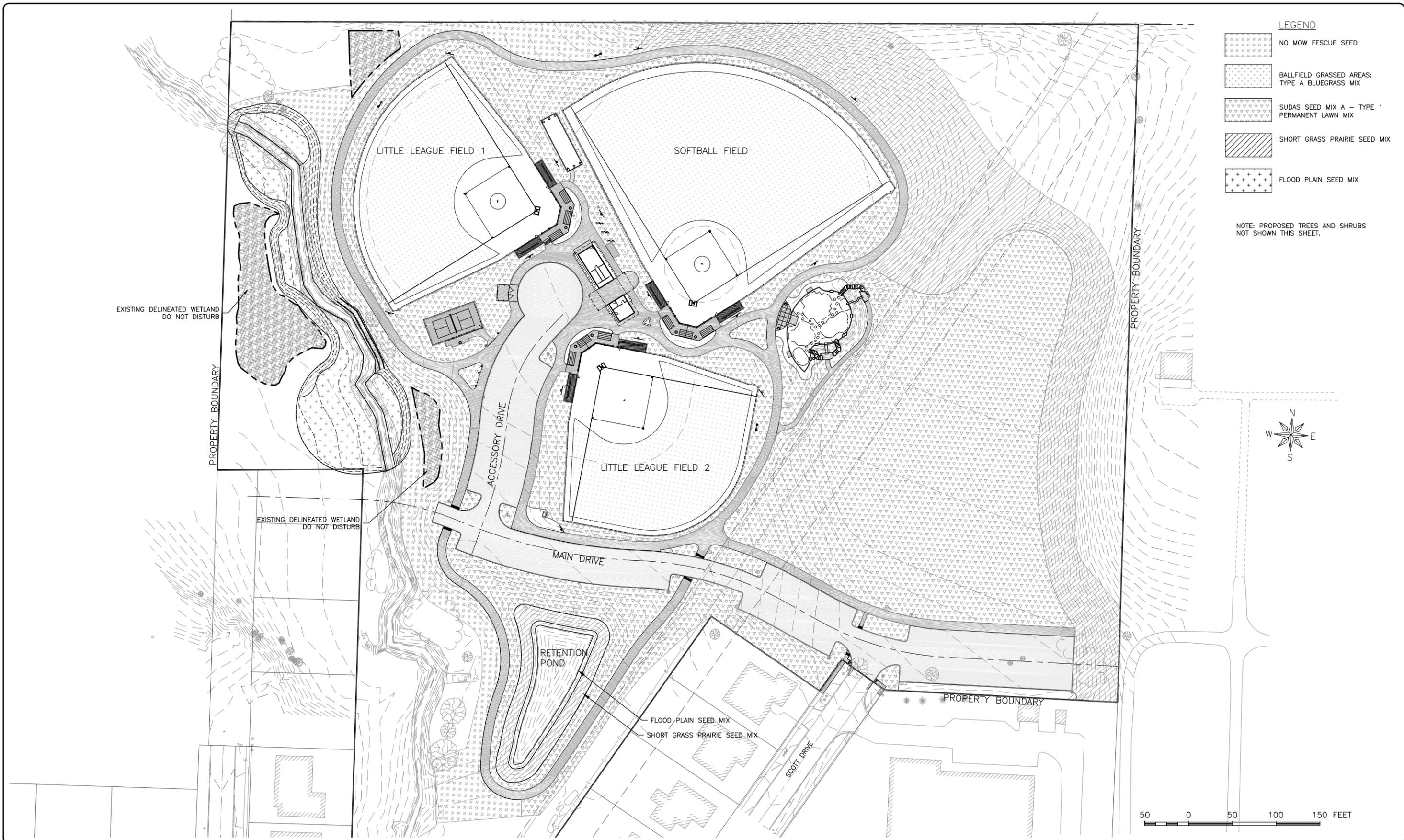
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JOB NUMBER:

16-072

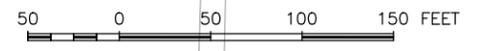
SHEET NUMBER:

L.05



- LEGEND**
-  NO MOW FESCUE SEED
 -  BALLFIELD GRASSED AREAS: TYPE A BLUEGRASS MIX
 -  SUDAS SEED MIX A - TYPE 1 PERMANENT LAWN MIX
 -  SHORT GRASS PRAIRIE SEED MIX
 -  FLOOD PLAIN SEED MIX

NOTE: PROPOSED TREES AND SHRUBS NOT SHOWN THIS SHEET.



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ILLINOIS DESIGN FIRM NO. 184-003525

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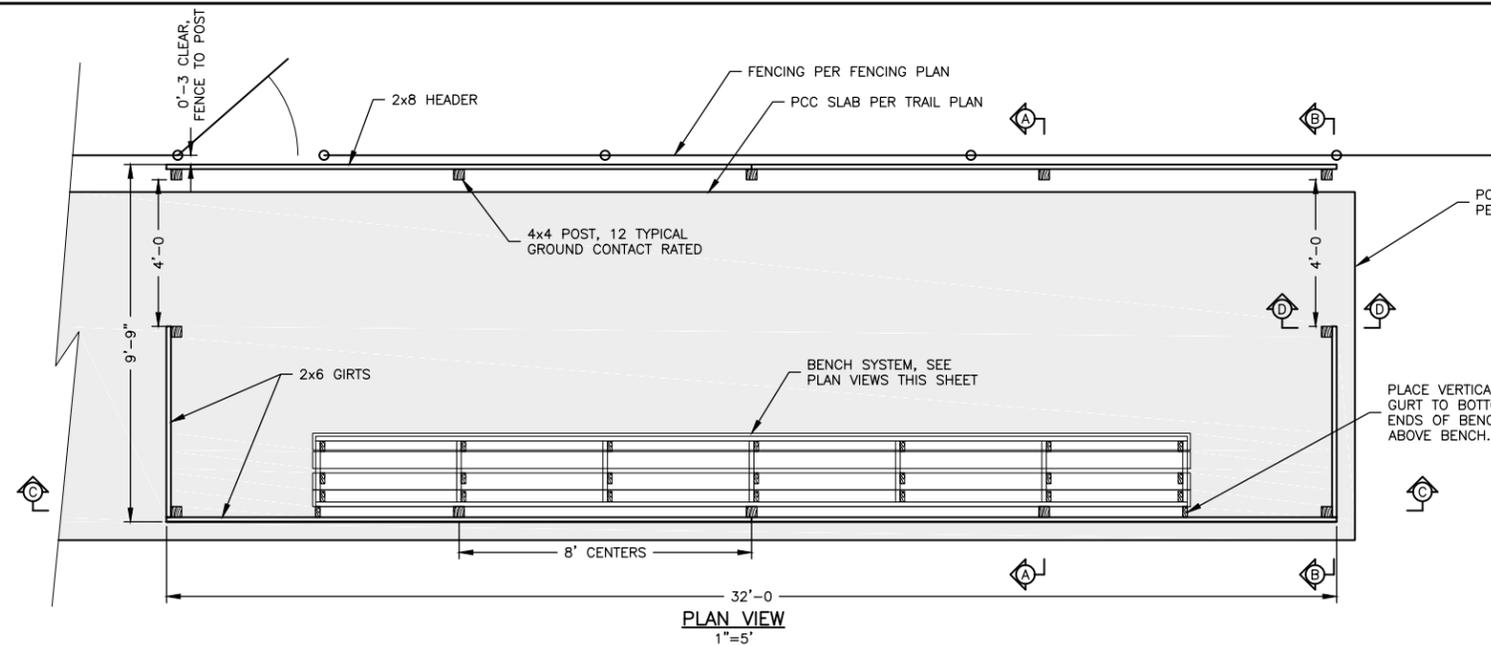
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
OVERALL SEEDING
PLAN

SET TYPE: **FOR BID**
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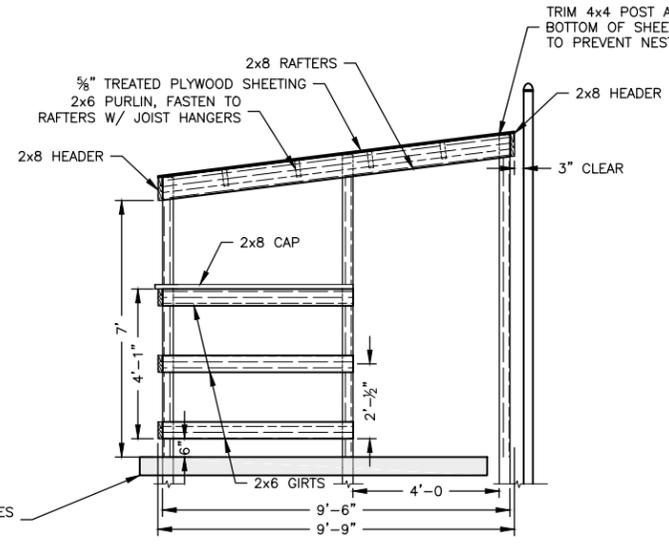
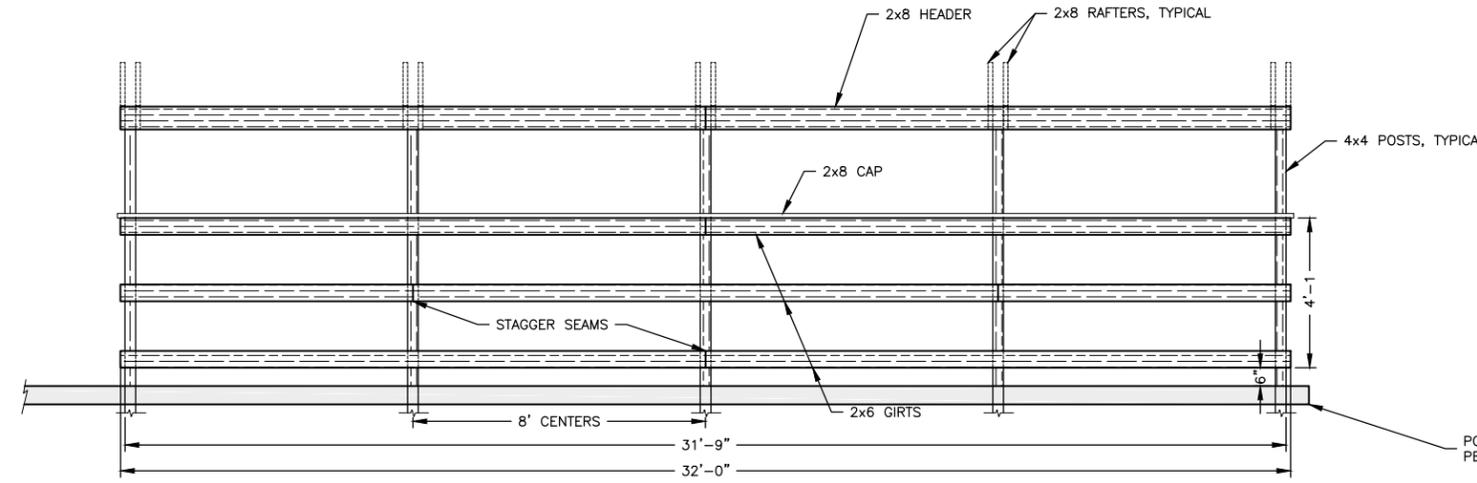
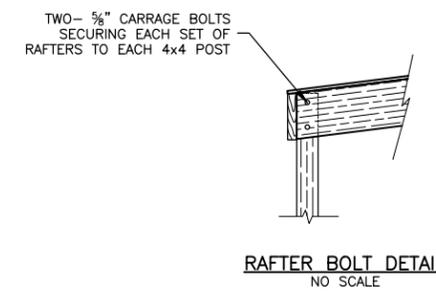
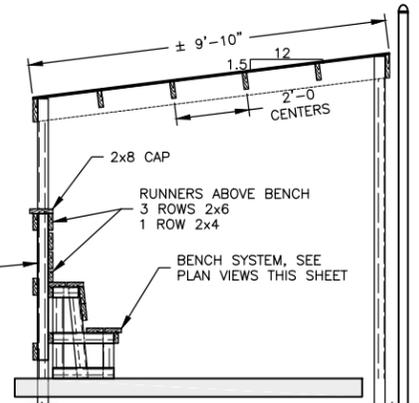
JOB NUMBER:
16-072

SHEET NUMBER:
L.06

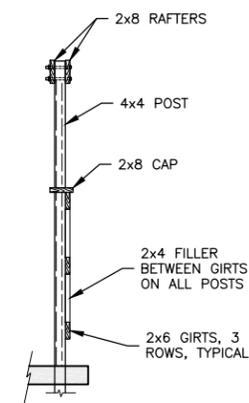


PCC SLAB AND GRADES PER TRAIL PLAN

PLACE VERTICAL 2x4 FROM BOTTOM OF GURT TO BOTTOM OF 2x8 CAP AT BOTH ENDS OF BENCH TO SUPPORT RUNNERS ABOVE BENCH.



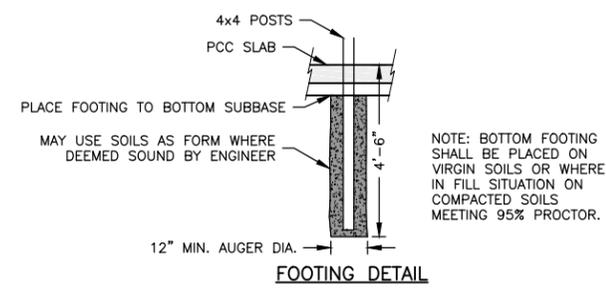
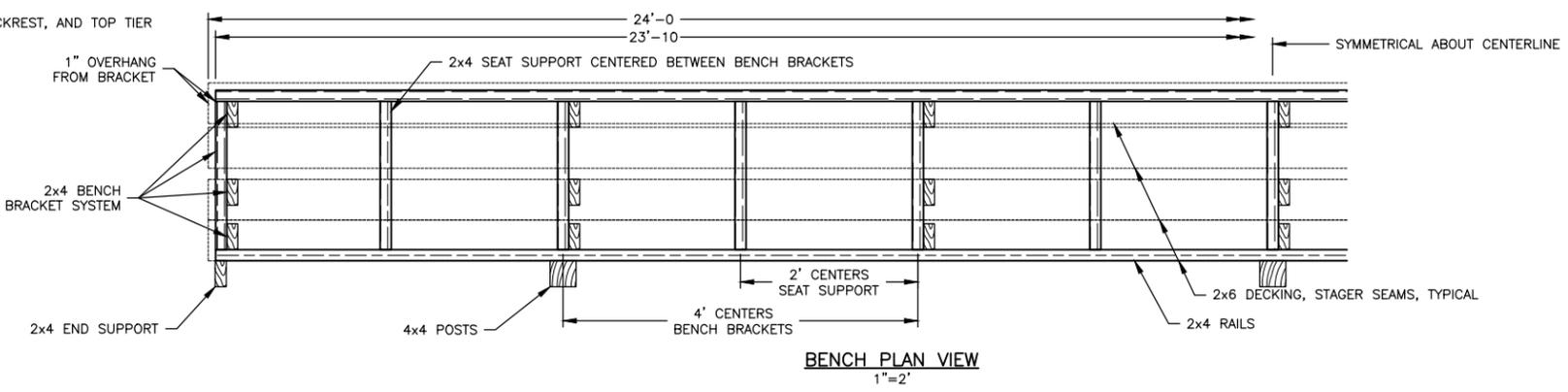
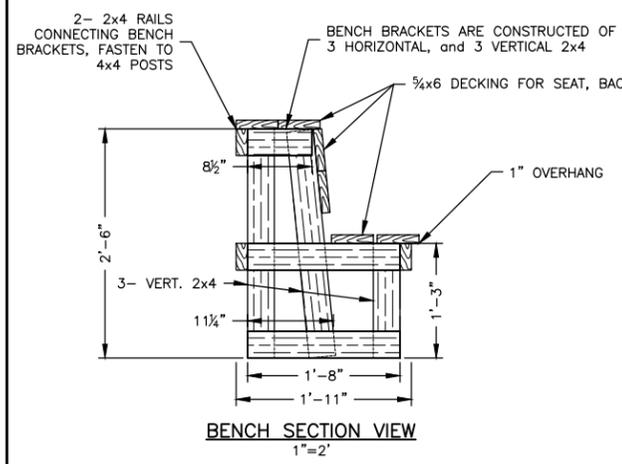
TRIM 4x4 POST AS CLOSE TO BOTTOM OF SHEETING AS POSSIBLE TO PREVENT NESTING OF WILDLIFE



SECTION C-C
1"=5'

SECTION B-B
1"=5'

SECTION D-D
1"=5'



- NOTES:
- ALL TIMBER SHALL BE TREATED TO A MINIMUM AS FOLLOWS:
 - NON GROUND CONTACT, 0.15 ACQ
 - GROUND CONTACT, 0.60 ACQ
 - ALL FASTENERS AND HARDWARE SHALL BE APPROVED FOR ACQ CONTACT.
 - TYPE AND QUANTITY OF FASTENERS SHALL BE PLACED IN ACCORDANCE WITH LOCAL BUILDING CODE REQUIREMENTS.
 - MOUNTING OF PURLINS TO TOP OF RAFTERS SHALL NOT BE PERMITTED. PURLINS SHALL BE FLUSH MOUNTED TO PREVENT NESTING OF WILDLIFE.
 - MIRROR DETAILS AS NECESSARY FOR LEFT FIELD OR RIGHT FIELD APPLICATIONS

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WISCONSIN

OWNER/DEVELOPER:
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110 NORTH POPLAR STREET
WEST BRANCH, IOWA 52358

PROJECT AND LOCATION:
CUBBY PARK IMPROVEMENTS -
PHASE 2
WEST BRANCH, IOWA

DRAWN BY: AJB
APPROVED BY: NPK
DATE: 11-13-2017
SCALE: AS NOTED

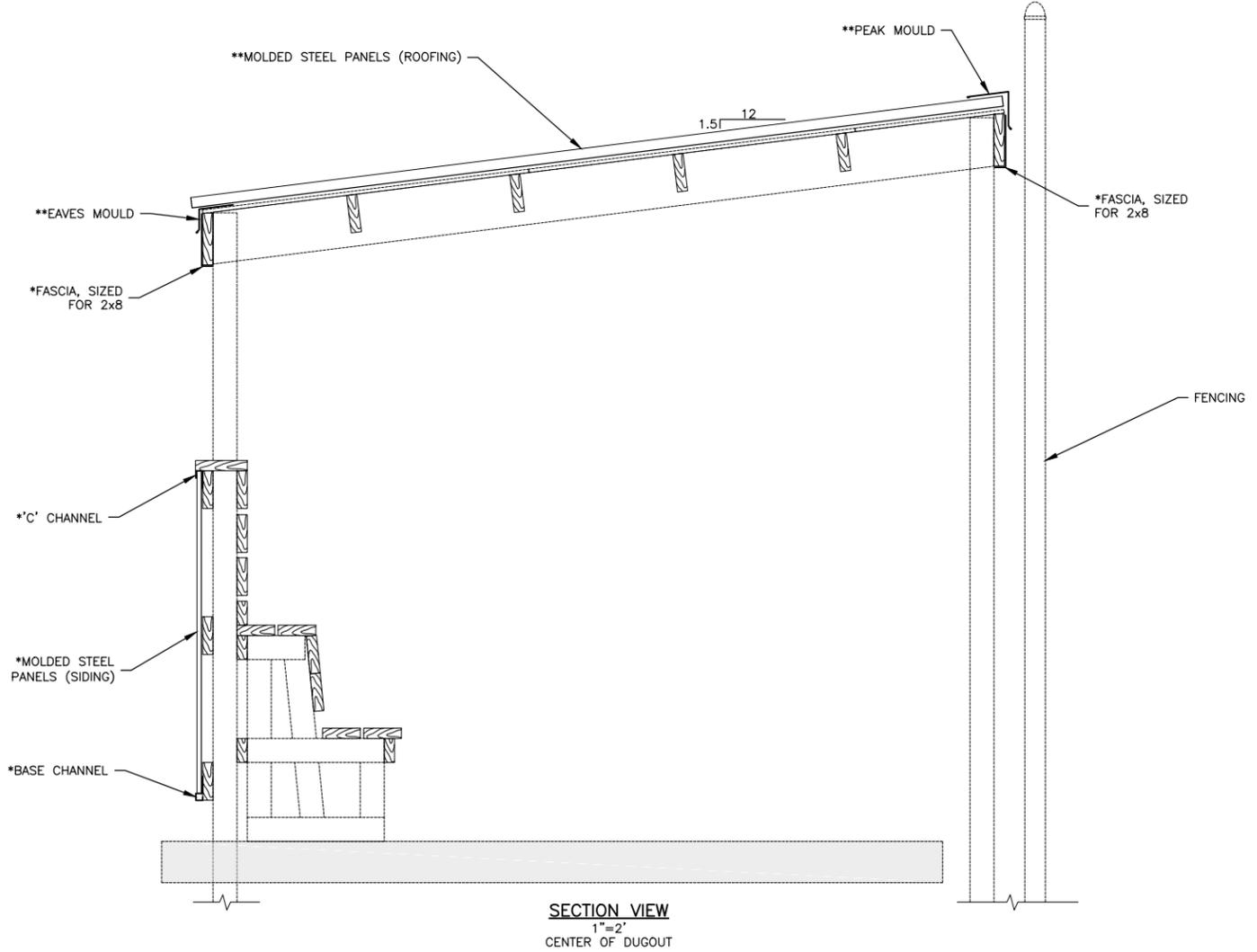
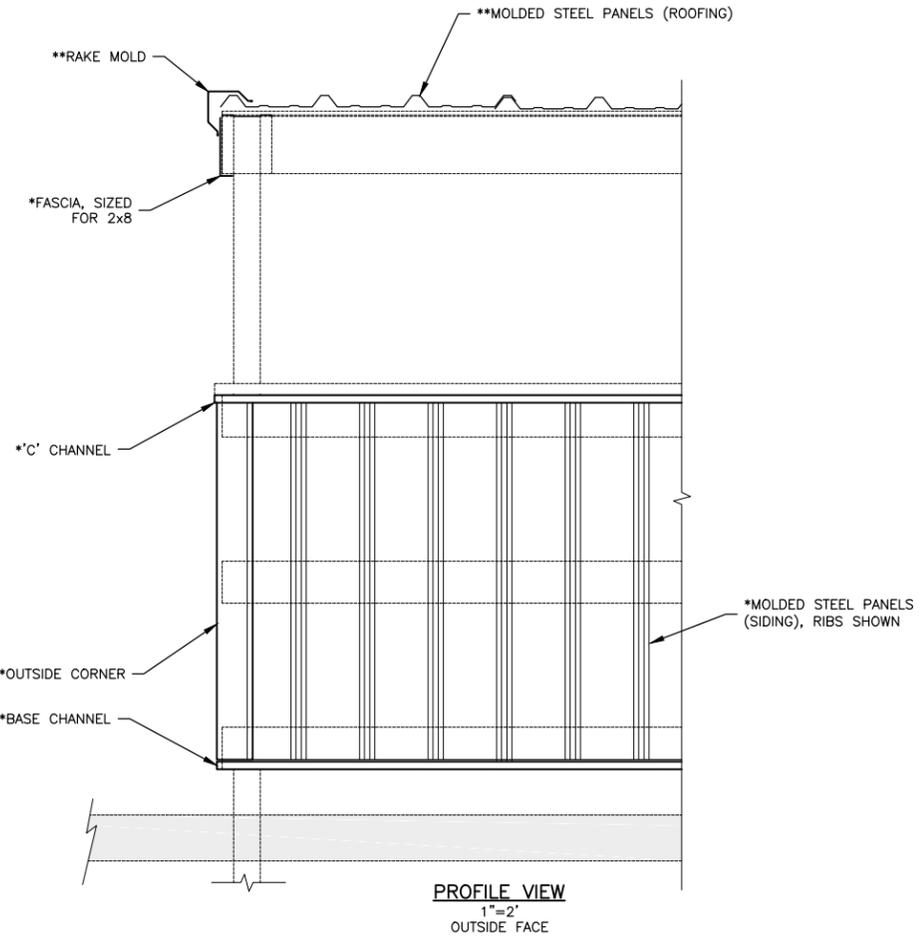
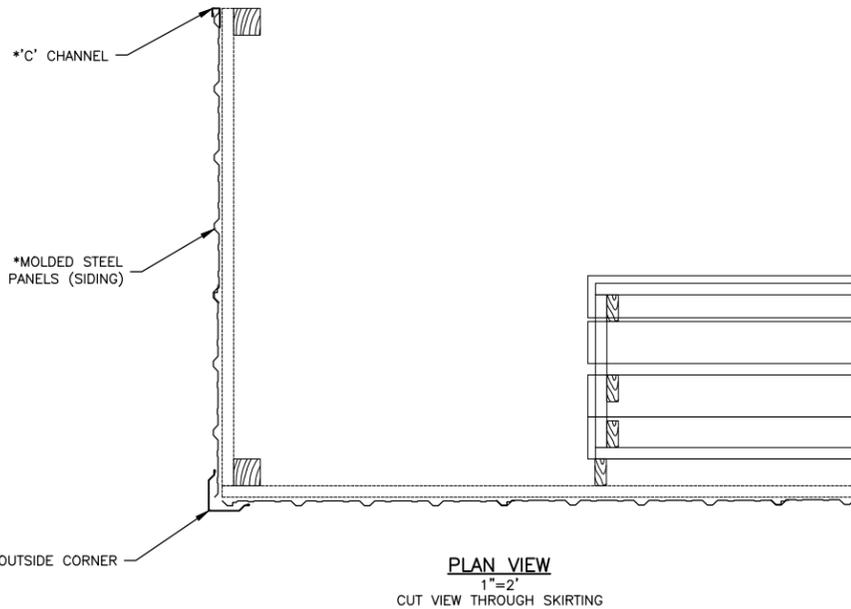
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
DUGOUT OPTION A - FRAMING PLAN

SET TYPE: FOR BID
G:\CD\16-072\Plans\16-072 Plans PH2.dwg, T.01

JOB NUMBER:
16-072

SHEET NUMBER:
T.01



- * STEEL TRIM AND PANELS SHALL BE MINIMUM 29 GA.
- ** STEEL TRIM AND PANELS SHALL BE MINIMUM 26 GA.
- 1. SIDING PANELS SHALL BE SMALLER CONTOUR SUCH AS METAL SALES' PRO-PANEL II OR APPROVED EQUAL.
- 2. ROOFING PANELS SHALL HAVE HIGHER CONTOUR TO ACCOUNT FOR FLATTER PITCHED ROOF SUCH AS METAL SALES' PBR-PANEL OR APPROVED EQUAL. SHEETING IS REQUIRED UNDER ROOFING PANELS TO PREVENT EXCESSIVE DENTING FROM FLY BALLS.
- 3. ALL FASTENERS AND HARDWARE SHALL BE APPROVED FOR ACO CONTACT.
- 4. TYPE AND QUANTITY OF FASTENERS SHALL BE PLACED IN ACCORDANCE WITH LOCAL BUILDING CODE REQUIREMENTS.
- 5. MIRROR DETAILS AS NECESSARY FOR LEFT FIELD OR RIGHT FIELD APPLICATIONS

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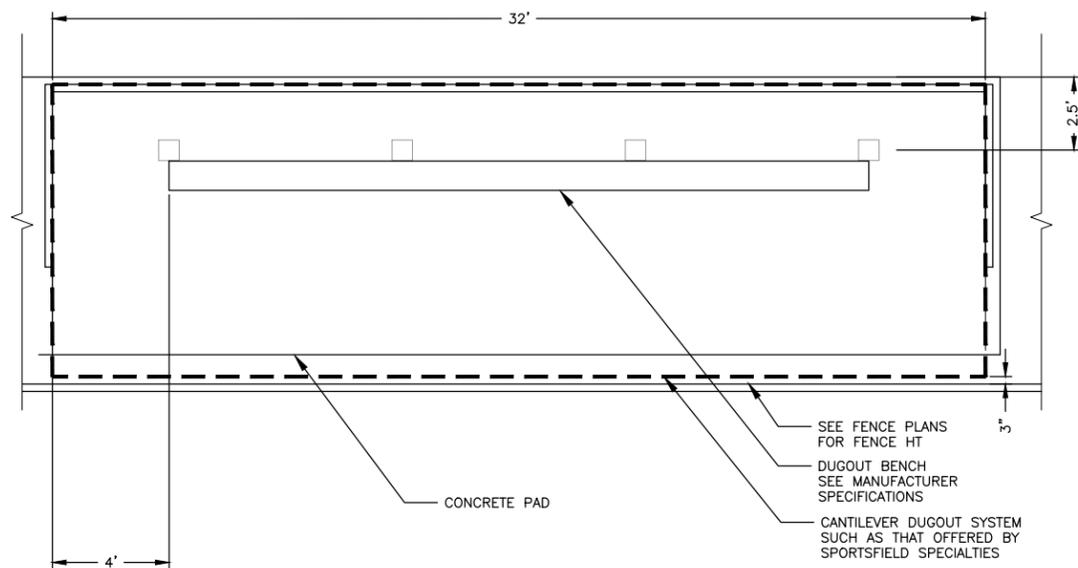
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
DUGOUT OPTION A - SIDING AND ROOFING
PLAN

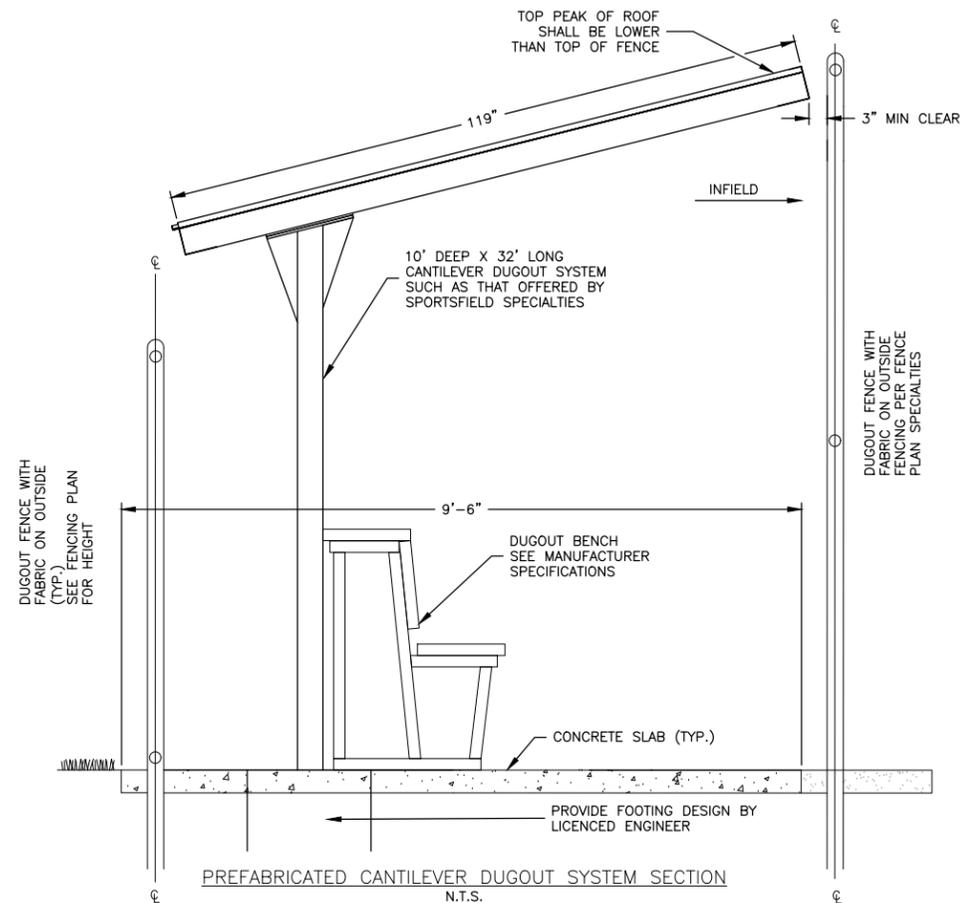
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JOB NUMBER:
16-072

SHEET NUMBER:
T.02

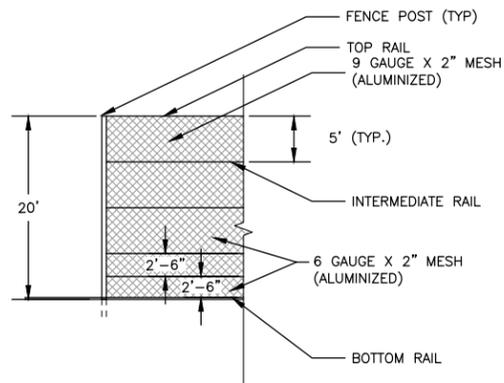


PREFABRICATED CANTILEVER DUGOUT SYSTEM PLAN
N.T.S.



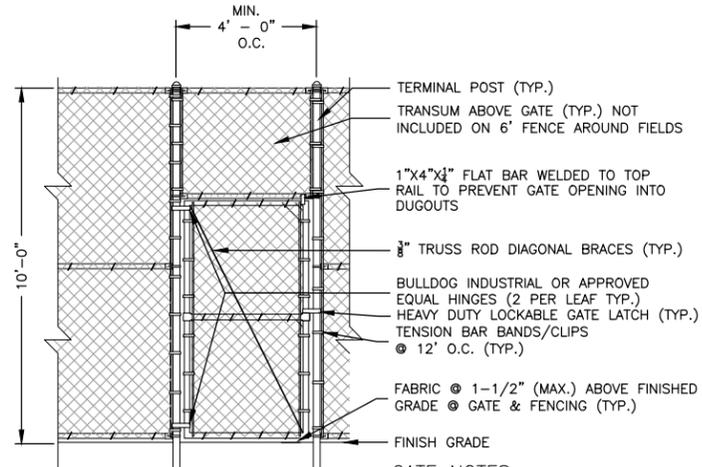
PREFABRICATED CANTILEVER DUGOUT SYSTEM SECTION
N.T.S.

REVISIONS		
REV. NO.	DESCRIPTION	DATE



BACKSTOP DETAIL
N.T.S.

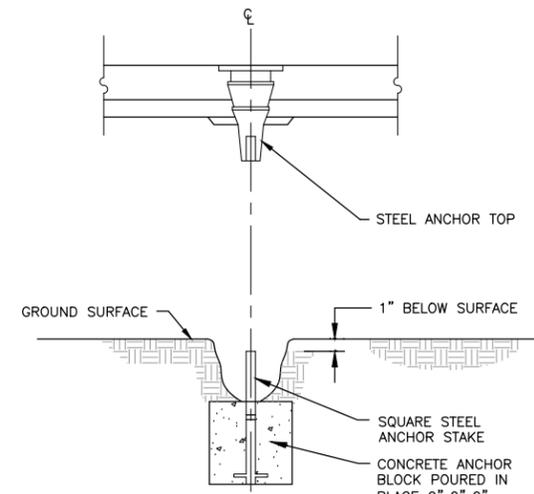
POST & RAIL SIZING PER FENCING PLAN



GATE DETAIL
N.T.S.

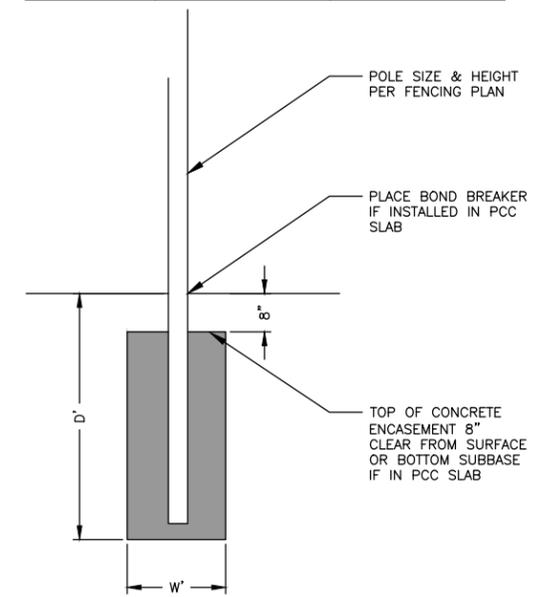
GATE NOTES

1. CONSTRUCT FENCING, INCLUDING ALL TIES & BRACING, IN ACCORDANCE WITH SUDAS STANDARDS UNLESS OTHERWISE NOTED IN PLANS
2. GATE SHALL HAVE A MINIMUM 6'-8" HEIGHT
3. POST AND RAIL SIZING FOR FENCING AROUND GATE SHALL CONFORM TO (10A) AS OUTLINED ON THE FENCING PLANS
4. MATERIAL ABOVE GATE SHALL BE PAID FOR AS UNDER BID ITEM CHAIN LINK FENCING, 10' TALL (10A)



BASE ANCHOR DETAIL
N.T.S.

Fence Height	D (feet)	W Diameter (inches)
6'	3'	15"
10'	4.5'	18"
20'	6'	24"



CONCRETE ENCASEMENT FOR FENCE POSTS
N.T.S.

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PROJECT AND LOCATION:

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REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
 DETAILS

SET TYPE: FOR BID

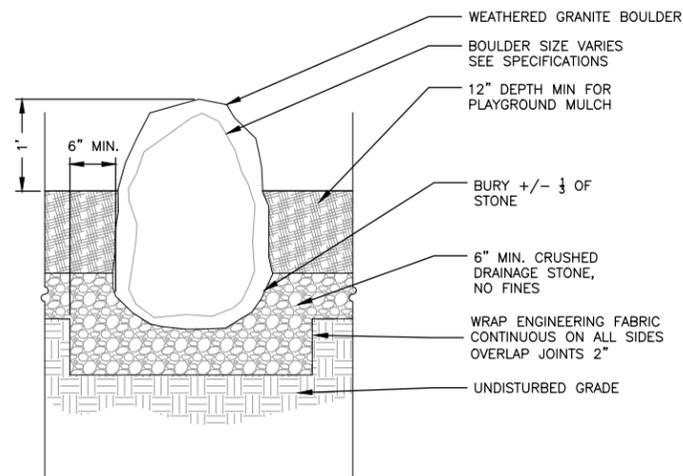
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JOB NUMBER:

16-072

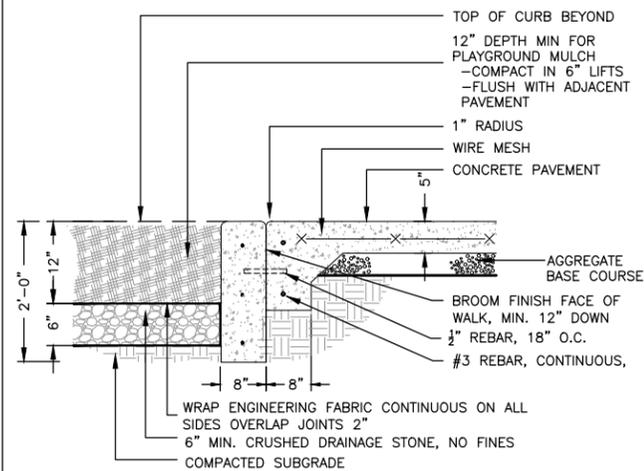
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U.01

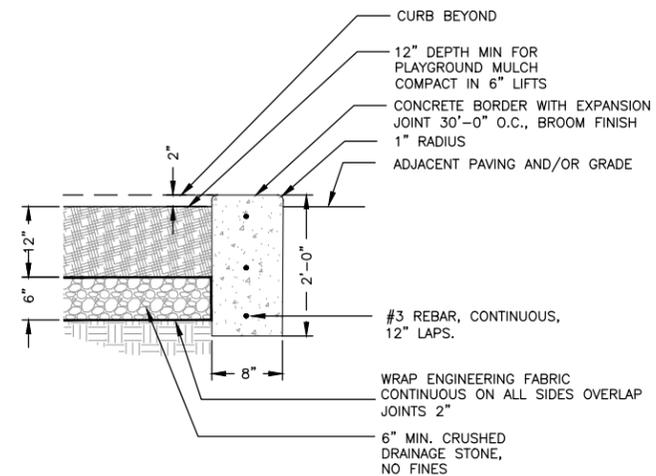


*BOULDERS TO HAVE SMOOTH SURFACE, NO SHARP OR POINTED SURFACES

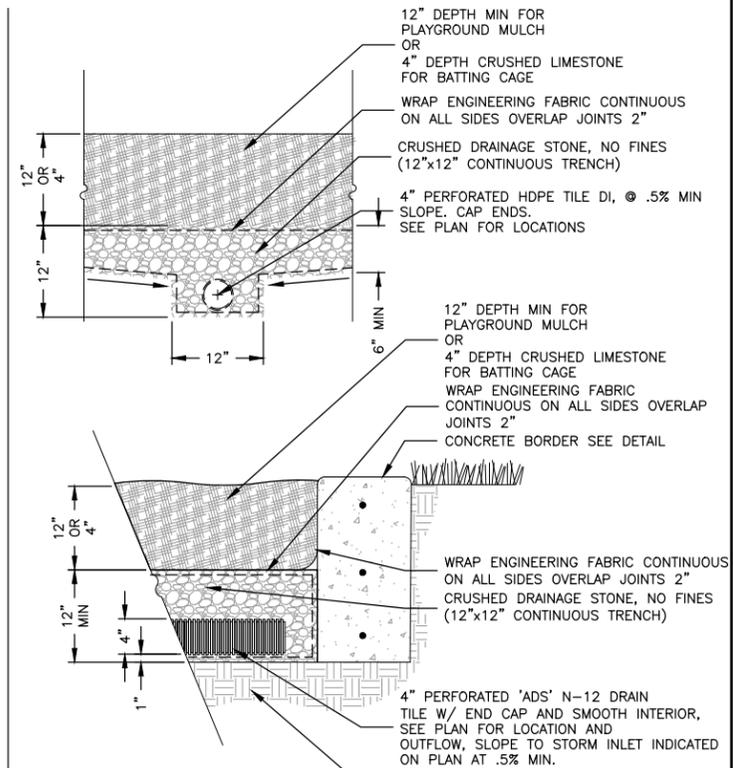
PLAYGROUND STEPPER BOULDERS
N.T.S.



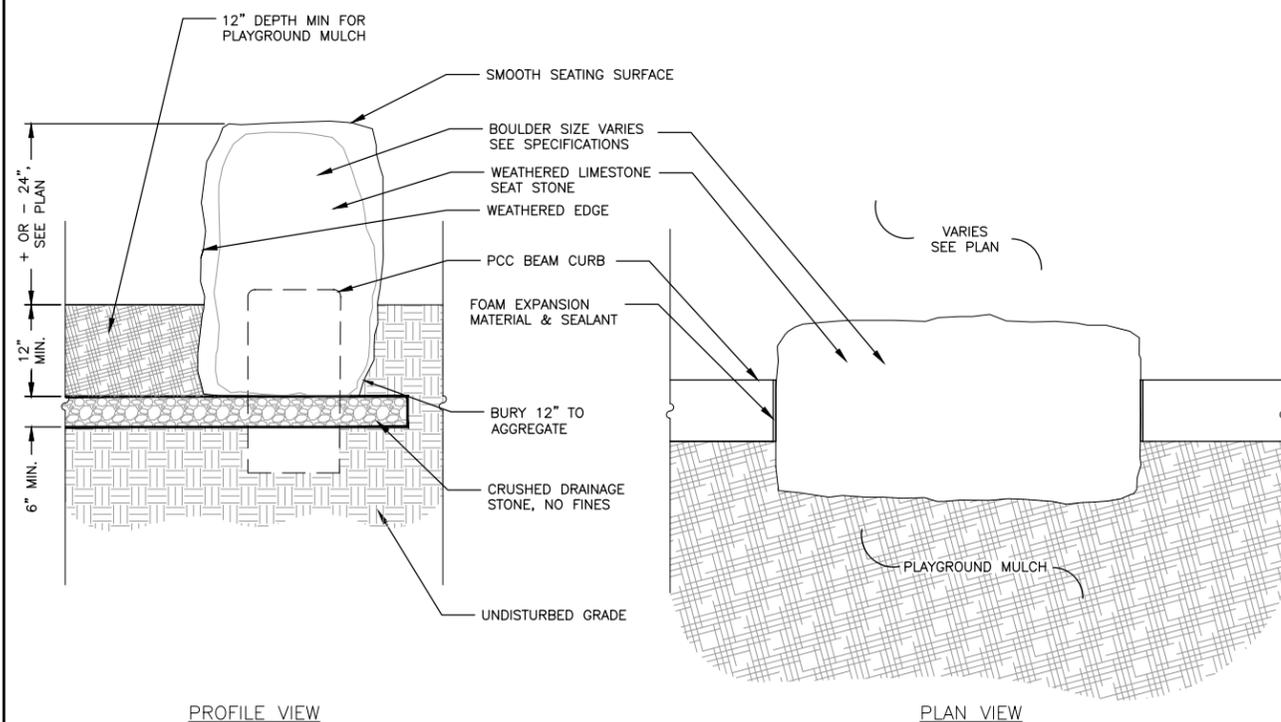
CONCRETE BATTING CAGE EDGE AND SIDEWALK
N.T.S.



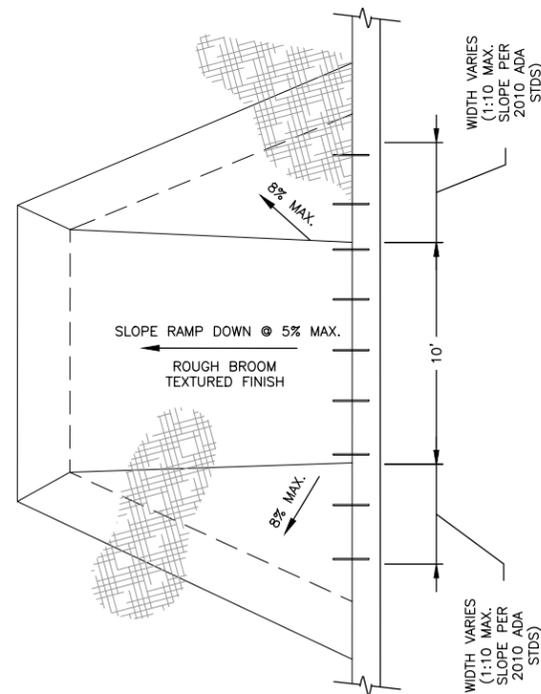
CONCRETE BORDER
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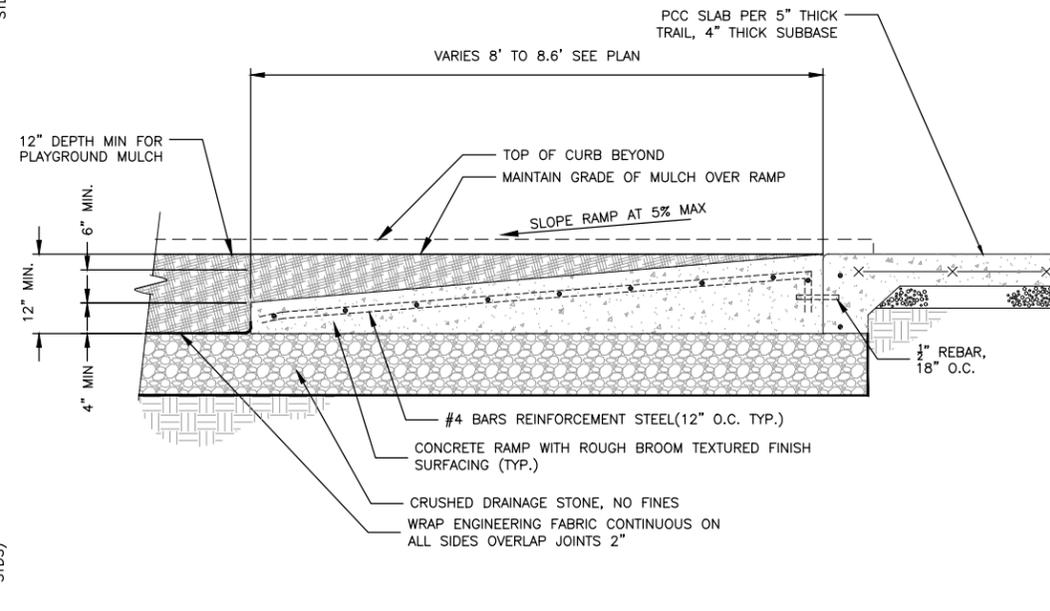
TILE DETAIL
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SEAT STONE
N.T.S.



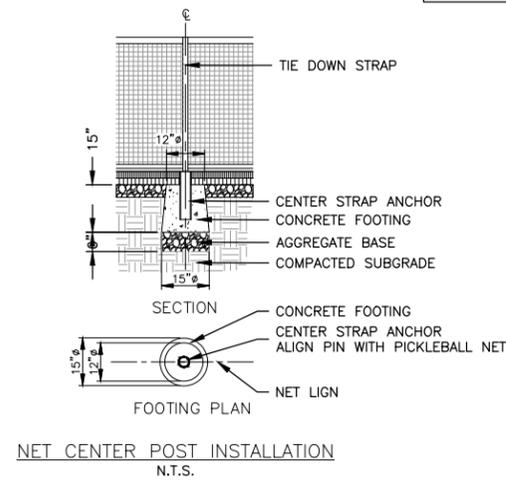
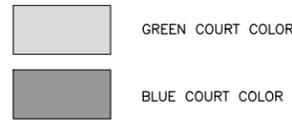
PLAYGROUND RAMP
N.T.S.



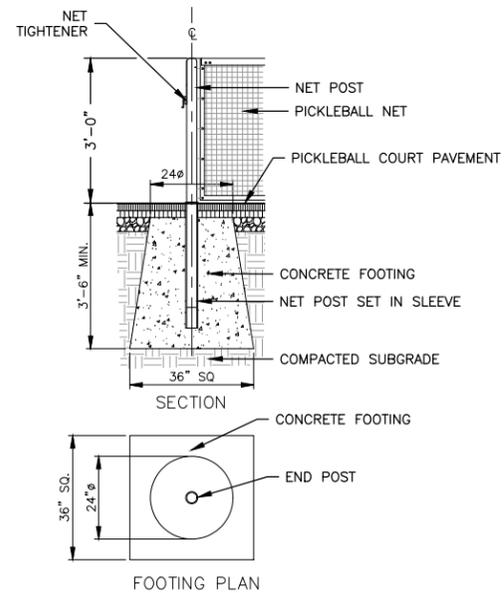
ACCESSIBLE TRANSITION AREA
N.T.S.

REVISIONS		
REV. NO.	DESCRIPTION	DATE

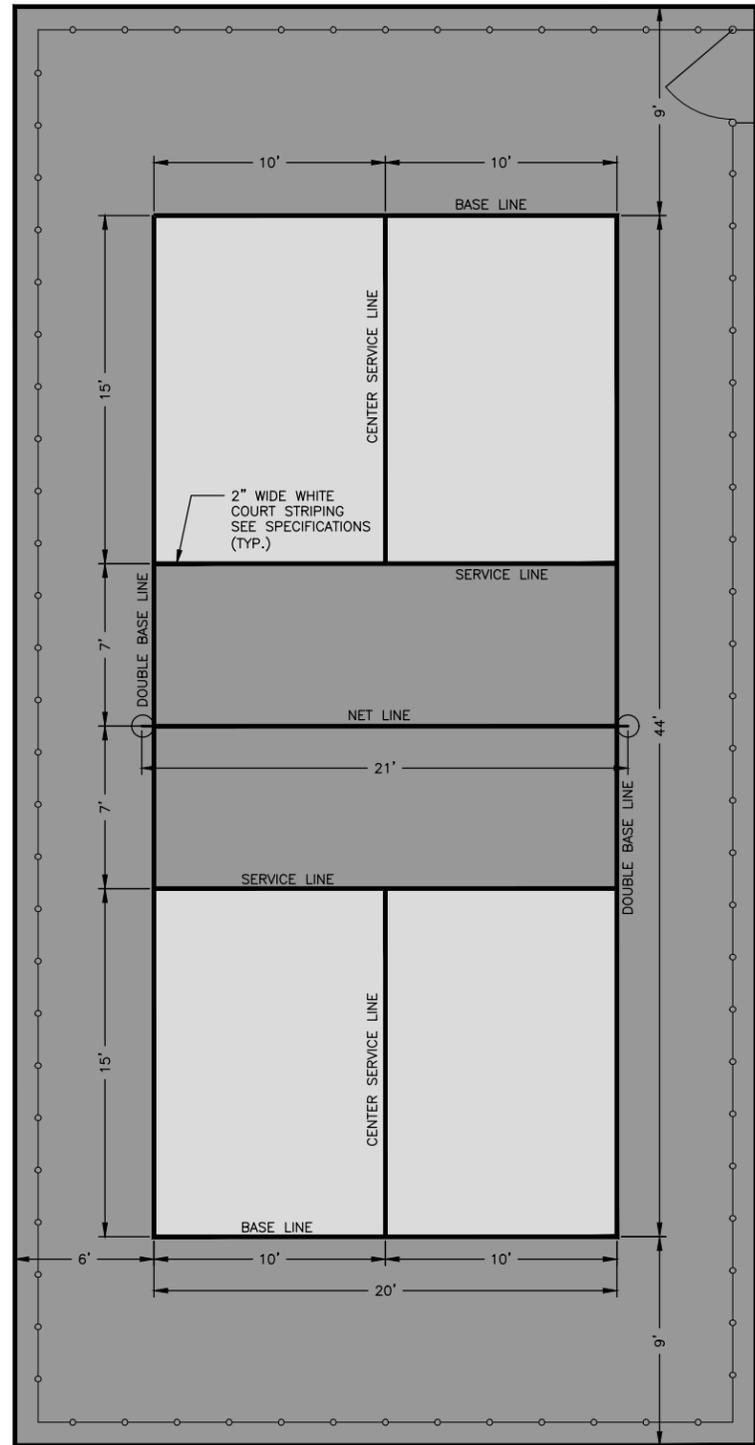
LEGEND



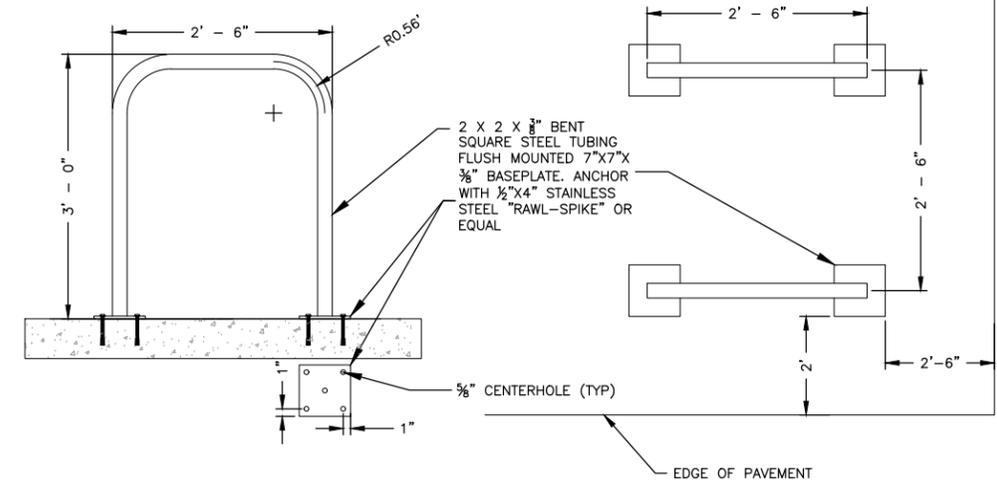
NET CENTER POST INSTALLATION
N.T.S.



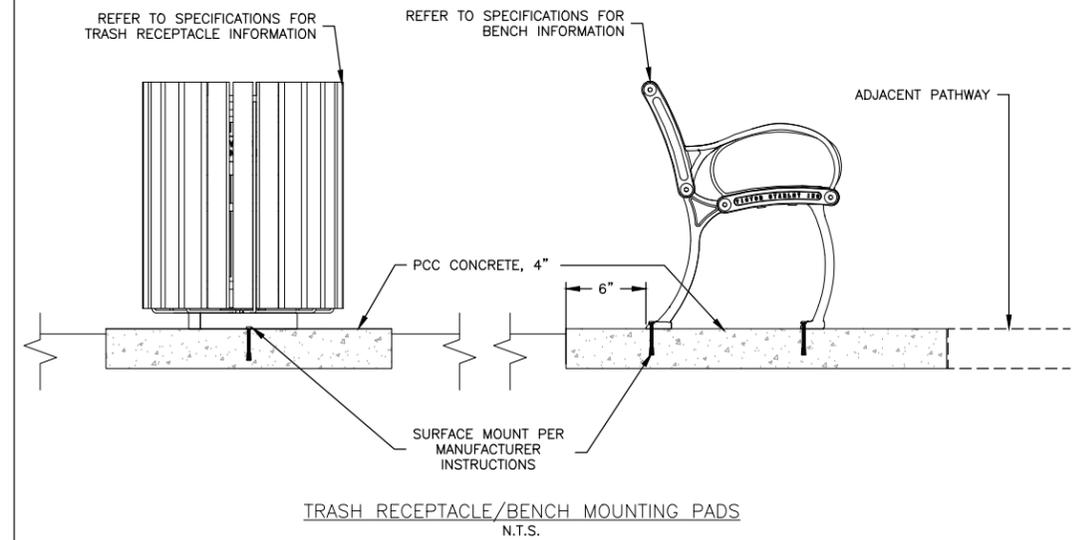
NET END POST INSTALLATION
N.T.S.



PICKLEBALL LAYOUT
N.T.S.



BICYCLE RACK DETAIL
N.T.S.



TRASH RECEPTACLE/BENCH MOUNTING PADS
N.T.S.

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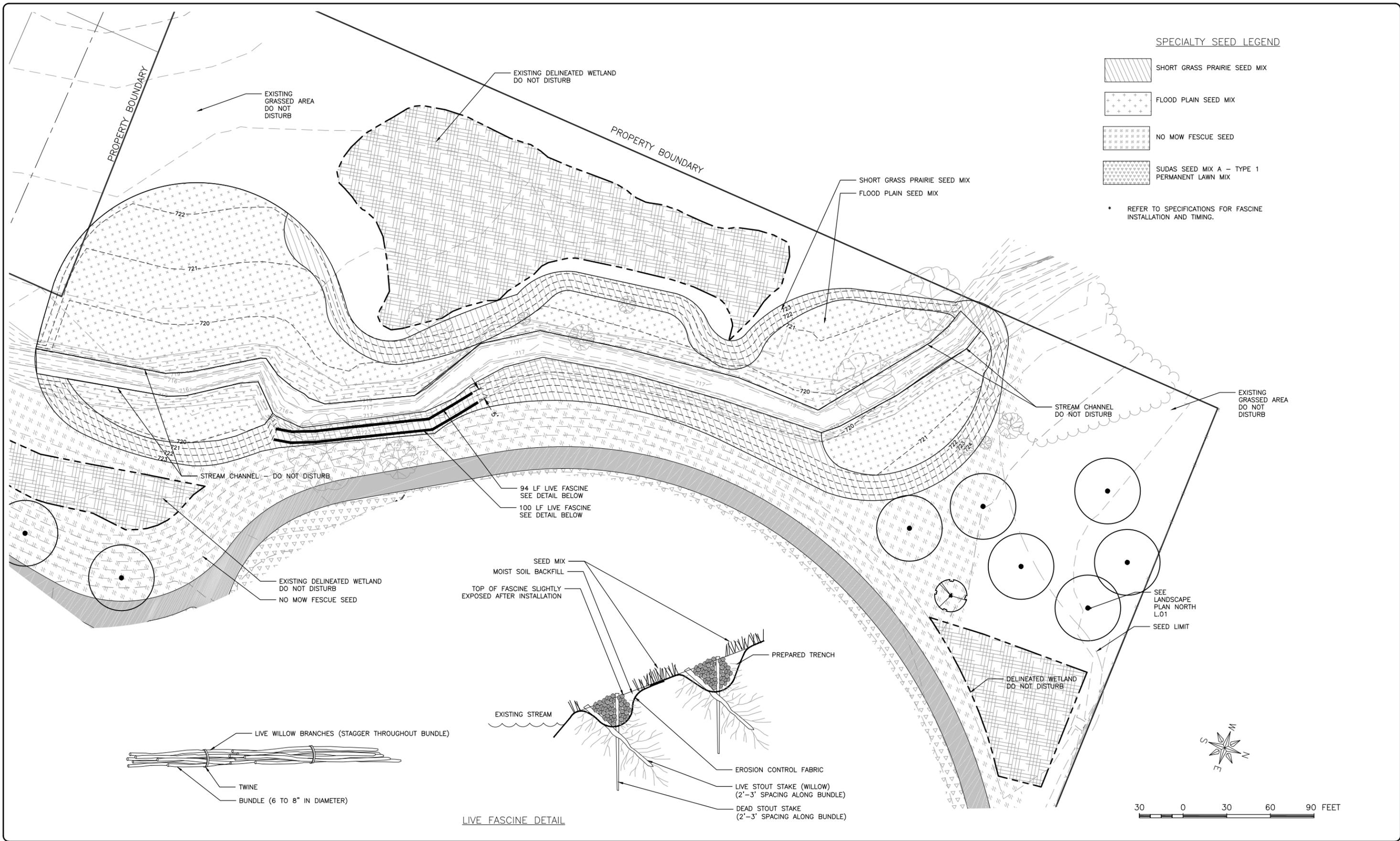
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REV. NO.	DESCRIPTION	DATE

DRAWING:
DETAILS

SET TYPE: FOR BID
G:\(3D)\16-072\Landscape\16-072 Landscape 2.dwg, U03 DETAILS

JOB NUMBER:
16-072

SHEET NUMBER:
U.03



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PROJECT AND LOCATION:
 CUBBY PARK IMPROVEMENTS -
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 WEST BRANCH, IOWA

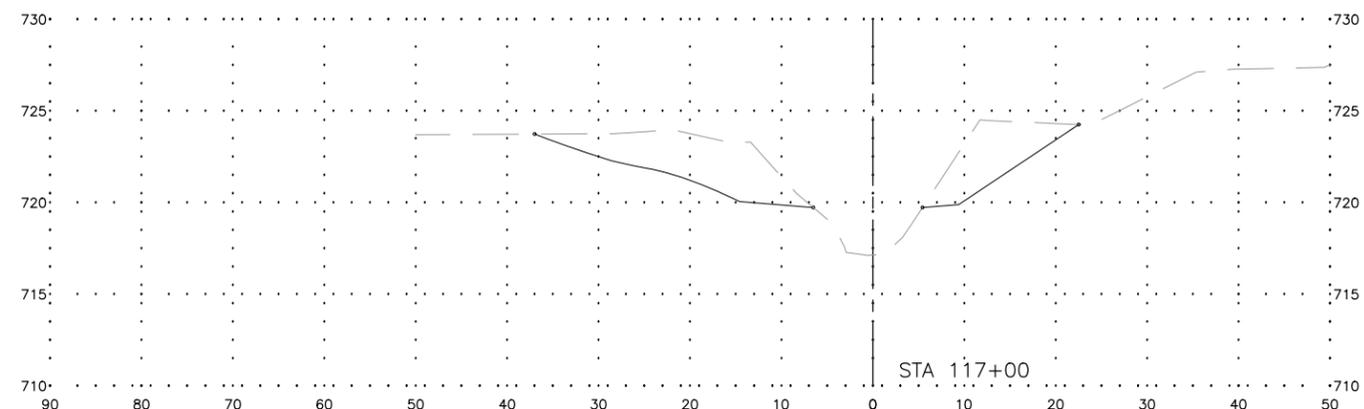
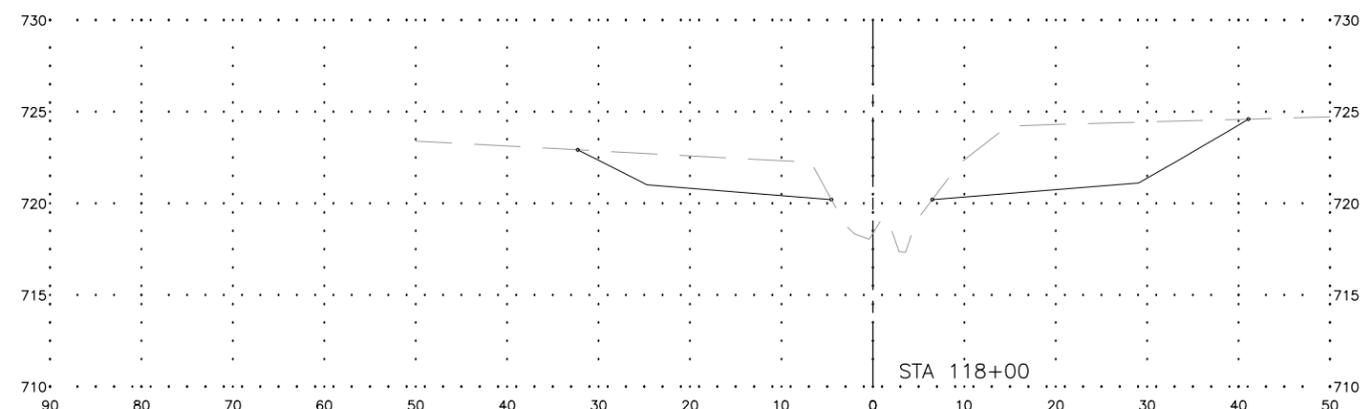
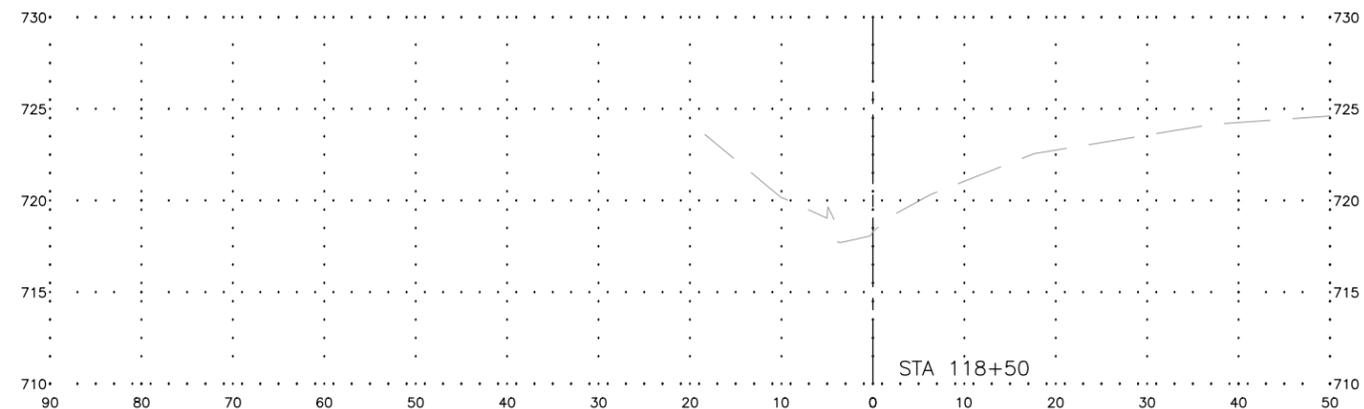
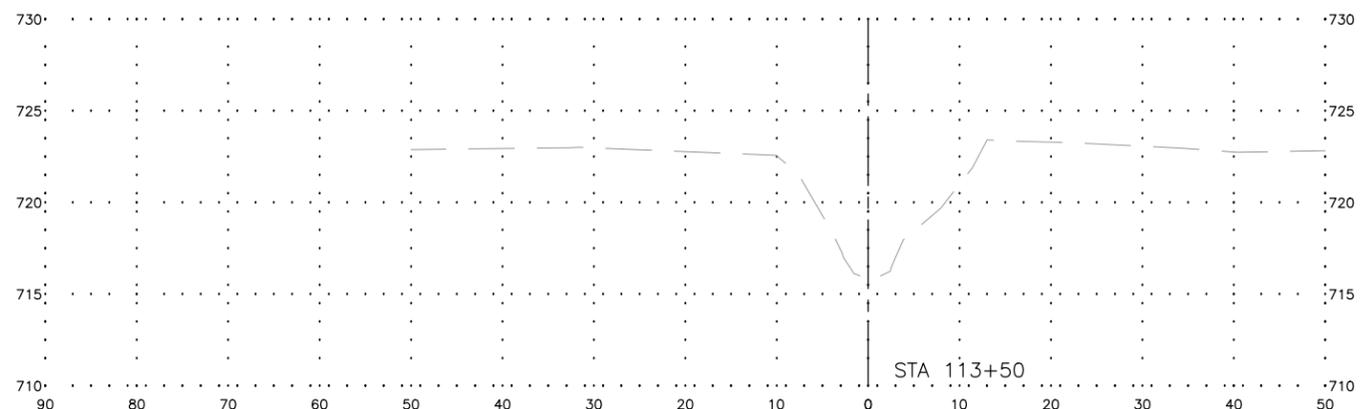
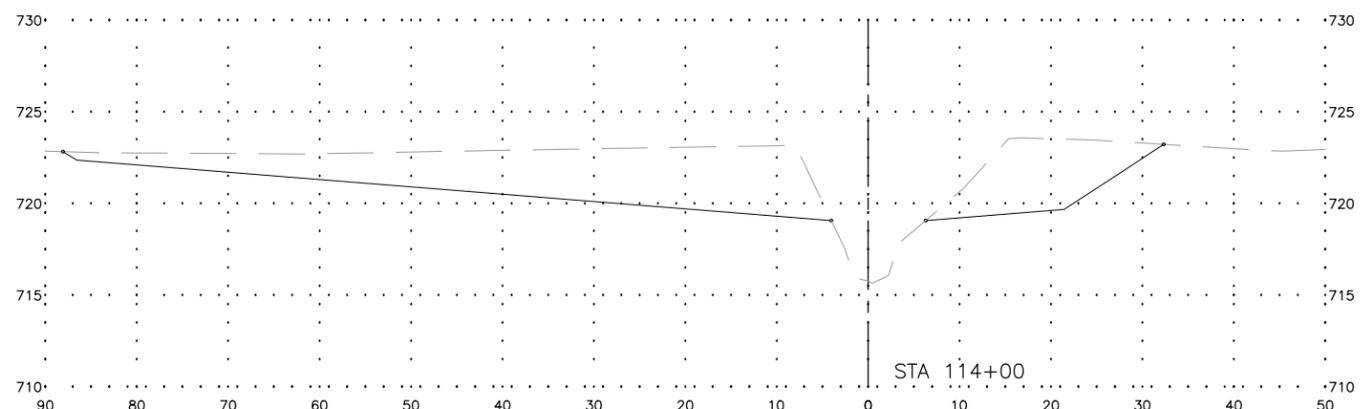
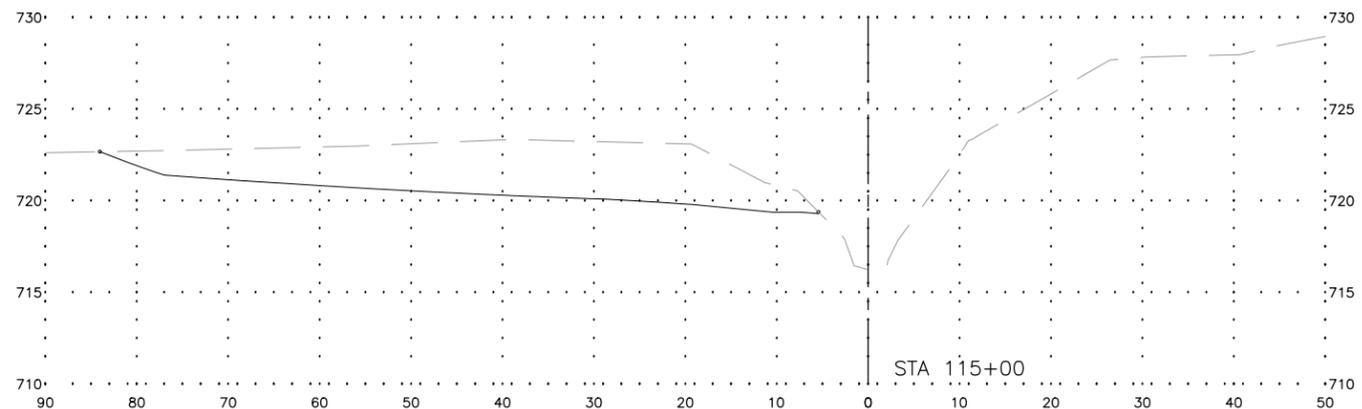
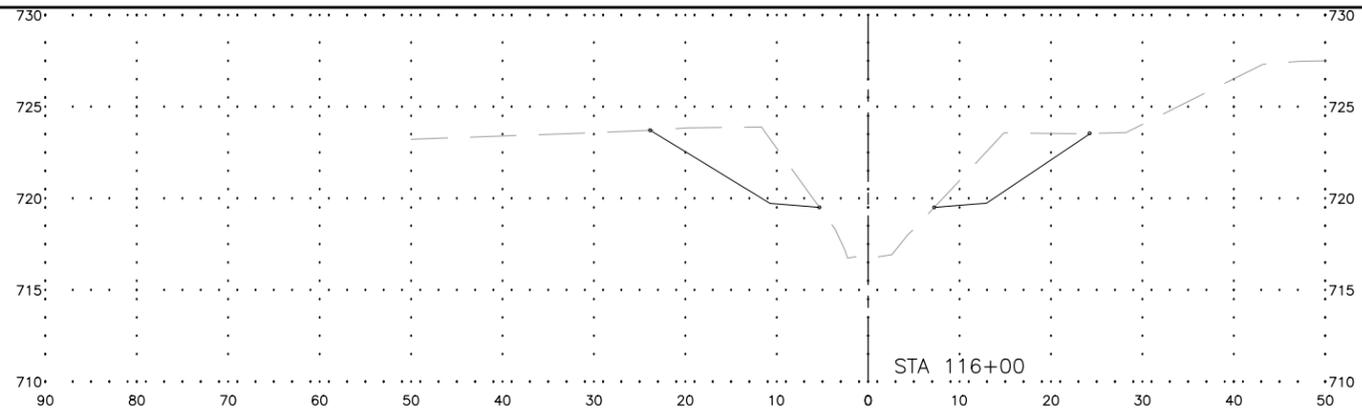
DRAWN BY: DMS
 APPROVED BY: NPK
 DATE: 11-13-2017
 SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
 STREAM BANK RESTORATION LANDSCAPE
 PLAN
 SET TYPE: **FOR BID**
 G:\CD\16-072\Landscape\16-072 Landscape 2.dwg, STREAM BANK RESTORATION LANDSCAPE PLAN

JOB NUMBER:
 16-072
 SHEET NUMBER:
 W.02

SCALE
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 VER 5 0 5 10



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 APPROVED BY: NPK
 DATE: 11-13-2017
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REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
 STREAM BANK RESTORATION CROSS
 SECTIONS

SET TYPE: FOR BID
G:\CD\16-072\Plans\16-072 Plans PH2.dwg, W.03

JOB NUMBER:
 16-072

SHEET NUMBER:
 W.03